

	Common proteins	RPA Mouse (%)	RPA Human (%)
1	A disintegrin and metalloproteinase with thrombospondin motifs 13	0.031562157	0.06080607
2	Alpha-1-acid glycoprotein 1	0.059660176	0.020553802
3	Alpha-1-antitrypsin	0.90009	0.815155
4	Alpha-1B-glycoprotein	0.385174467	0.006090015
5	Alpha-2-antiplasmin	0.09328682	0.056803234
6	Alpha-2-HS-glycoprotein	0.361185928	0.286699182
7	Alpha-2-macroglobulin	0.271705378	0.190658577
8	Angiopoietin-related protein 6	0.247999161	0.129647056
9	Angiotensinogen	0.009178489	0.217172244
10	Antithrombin-III	0.068838664	0.012409842
11	Apolipoprotein A-I	0.461885231	1.310139098
12	Apolipoprotein A-II	0.086778437	1.778838105
13	Apolipoprotein A-IV	0.477281405	0.763687918
14	Apolipoprotein A-V	0.226999693	0.020052489
15	Apolipoprotein C-II	0.433892186	0.95668604
16	Apolipoprotein C-III	11.53068486	1.091220014
17	Apolipoprotein E	0.937990539	1.42506358
18	Apolipoprotein F	0.13355804	0.380538956
19	Apolipoprotein M	0.11363843	0.297540747
20	Bone morphogenetic protein 1	0.088424903	0.007406775
21	C-reactive protein	0.238640703	0.078926598
22	C4b-binding protein	0.302890122	4.449087296
23	Cadherin-5	0.01762687	0.052318768
24	Calreticulin	0.091976104	0.04795887
25	Carboxypeptidase N catalytic chain	0.208810615	0.025296987
26	Carboxypeptidase N subunit 2	0.175003182	0.091649738
27	Cartilage oligomeric matrix protein	0.222634314	0.509139954
28	CD5 antigen-like	0.183569771	0.506272588
29	Ceruloplasmin	1.123189092	0.59707109
30	Clusterin	0.933911211	1.612682897
31	Coagulation factor IX	0.475030078	0.828476312
32	Coagulation factor V	0.444432078	0.356918397
33	Coagulation factor VIII	0.391370752	0.309880806
34	Coagulation factor X	1.458359849	0.81019349
35	Coagulation factor XIII A chain	0.679982243	1.180279128
36	Coagulation factor XIII B chain	0.703362071	0.225010039
37	Collagen alpha-1(XVIII) chain	0.001311213	0.001847533
38	Collectin-10	0.146263656	0.164430413
39	Collectin-11	0.362075549	0.425251068
40	Complement C1q subcomponent subunit A	0.220283725	0.347835566
41	Complement C1q subcomponent subunit B	0.026515634	0.042841163
42	Complement C1q subcomponent subunit C	0.091784886	0.271942606
43	Complement C1r-A subcomponent	0.439994	0.37819
44	Complement C1s-A subcomponent	0.92667	0.54881
45	Complement C3	0.407998621	1.546701051
46	Complement C4-B	0.604020638	1.248137591
47	Complement component C8 beta chain	0.010847305	0.36812779
48	Complement component C8 gamma chain	0.010375683	0.545610007
49	Complement component C9	0.067358263	0.647281626
50	Complement factor B	0.042113065	0.149134561
51	Complement factor H	0.187993935	0.551255917
52	Endoplasmic	0.060957136	0.04289489
53	Endosialin	0.065480681	0.075110189
54	Fibrinogen beta chain	7.990124614	9.263892021
55	Fibrinogen gamma chain	5.374286026	4.698915265
56	Fibrinogen-like protein 1	0.304929787	0.041107603
57	Fibronectin	0.255686467	0.330112147
58	Gelsolin	0.326049797	0.934958977
59	Growth arrest-specific protein 6	0.01590938	0.00411076
60	Haptoglobin	0.266176168	0.657721652
61	Hemoglobin subunit alpha	1.392070765	0.263088661
62	Hemoglobin subunit beta	4.138924685	0.493291239
63	Hemopexin	0.140376884	0.022134863
64	Heparin cofactor 2	0.844081003	0.940426573
65	Histidine-rich glycoprotein	0.056626607	0.238424099
66	Hyaluronan-binding protein 2	0.511922797	0.973532446
67	Ig alpha chain C region	0.1257701	1.018743477
68	Ig gamma-2 chain C region	0.267265534	0.429346079
69	Ig gamma-3 chain C region	0.010847305	0.878299036
70	Ig kappa chain C region	1.819635357	3.987437516
71	Ig mu chain C region secreted form	0.350801833	1.244973127
72	Immunoglobulin J chain	0.12549426	0.283185711
73	Insulin-like growth factor-binding protein complex acid labile subunit	0.087264138	0.134533974
74	Inter-alpha-trypsin inhibitor heavy chain H1	0.591876198	2.385055001
75	Inter-alpha-trypsin inhibitor heavy chain H2	0.687780515	2.261693795
76	Inter-alpha-trypsin inhibitor heavy chain H3	1.147403782	0.96356222
77	Keratin, type II cytoskeletal 5	0.007698087	0.010608414
78	Kinogen-1	0.472377829	1.089351486
79	Lipopolysaccharide-binding protein	0.10356106	0.210967322
80	Lumican	0.543221599	0.568832213
81	Mannan-binding lectin serine protease 1	0.581686712	0.337186417
82	Mannan-binding lectin serine protease 2	0.350111031	0.041107603
83	N-acetylmuramoyl-L-alanine amidase	0.020572474	0.066302586
84	Nidogen-1	0.078385632	0.044734745
85	Phospholipid transfer protein	0.086175809	0.005979288
86	Plasma kallikrein	0.04033364	0.004631843
87	Plasma protease C1 inhibitor	0.057529455	0.218244003
88	Plasminogen	1.370217221	0.422821062
89	Properdin	0.028636884	0.380446838
90	Protein AMBP	0.666970169	1.846680023
91	Protein disulfide-isomerase	0.016746716	0.005769488
92	Protein Z-dependent protease inhibitor	0.28912239	0.406239844
93	Prothrombin	2.231290569	4.911771338
94	Secreted phosphoprotein 24	0.264579909	0.274050688
95	Selenoprotein P	0.049948054	0.06118341
96	Serotransferrin	0.404449502	0.219952371
97	Serum albumin	1.390341484	1.506087262
98	Serum amyloid A-1 protein	0.30682376	0.293625738
99	Serum amyloid A-4 protein	0.278414153	0.471367184
100	Serum paraoxonase/arylesterase 1	1.512385452	2.174592213
101	SPARC-like protein 1	0.415964002	0.252126633
102	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1	0.008324676	0.001686466
103	Thrombospondin-1	0.652590537	0.098148386
104	Thrombospondin-4	0.293798223	0.209416092
105	Transthyretin	0.26847079	1.058520784
106	Tubulin beta-1 chain	0.140798015	0.078926598
107	Tubulin beta-2A chain	0.484440626	0.01973165
108	Vitamin D-binding protein	0.072917992	0.012409842
109	Vitamin K-dependent protein C	0.516289981	0.521750349
110	Vitamin K-dependent protein S	0.378643248	1.484258528
111	Vitamin K-dependent protein Z	1.412861432	0.456751147
112	Vitronectin	1.1435305911	2.222855584
113	von Willebrand factor	0.01351525	0.054278

Mouse	RPA (%)	Human	RPA (%)
1	0.156530805	ADAMTS-like protein 2	0.018792047
2	0.068183058	Alpha-1-acid glycoprotein 2	0.102769008
3	0.251425026	Alpha-1-antichymotrypsin	0.102769008
4	0.200287733	Apolipoprotein B-100	0.520696308
5	0.30682376	Apolipoprotein C-I	0.383670964
6	0.005077462	Apolipoprotein D	0.336690846
7	0.005549784	Apolipoprotein L1	0.142008084
8	0.083162669	Apolipoprotein(a)	0.080410082
9	0.021694609	Beta-Ala-His dipeptidase	0.525023424
10	0.198867252	Cadherin-13	0.012648493
11	0.005077462	Cadherin-6	0.033633494
12	0.169305904	Cartilage acidic protein 1	0.152850806
13	0.069946413	CD9 antigen	0.013154433
14	0.019886725	Coagulation factor VIII	0.008005975
15	0.30682376	Complement C5	0.299998041
16	0.09910744	Complement component C6	0.2787487
17	0.137218404	Complement component C7	0.267636736
18	1.67590857	Complement component C8 alpha chain	0.437637869
19	0.692058037	Complement factor H-related protein 1	0.281262549
20	0.484897598	Complement factor H-related protein 5	0.015415351
21	0.077696973	Complement factor I	0.044844658
22	0.02386407	Dermatopontin	0.068512672
23	0.0005996	Dermeidin	0.029896439
24	0.033654458	Desmocollin-2	0.013154433
25	0.426144112	Desmoglein-2	0.002695581
26	0.425402992	Extracellular superoxide dismutase [Cu-Zn]	0.044269727
27	0.25491166	Fibrinogen alpha chain	2.752045861
28	0.25491166	Fibulin-1	0.140940354
29	0.498588611	Ficolin-3	0.064775617
30	0.736673473	Filamin-A	0.001170323
31	0.298300878	Galectin-3-binding protein	0.07589096
32	0.312505682	Glicosylase 2 subunit beta	0.039017386
33	0.319890091	Haptoglobin-related protein	0.497507404
34	0.091316595	Hornerin	0.012244818
35	0.526413314	Ig gamma-1 chain C region	1.224093075
36	0.005966018	Ig gamma-4 chain C region	0.849557134
37	0.149150439	Ig heavy chain V-III region BRO	0.025296987
38	0.127144637	Ig heavy chain V-III region VH26	0.328860826
39	0.009740437	Ig kappa chain V-I region AG	0.082215207
40	0.309773989	Ig kappa chain V-I region EU	0.068512672
41	0.115471308	Ig kappa chain V-II region RPM1 6410	0.021924055
42	0.009178489	Ig kappa chain V-II region TEW	0.054810138
43	0.045076577	Ig kappa chain V-III region HAH	0.352350885
44	0.013335804	Ig kappa chain V-III region VG (Fragment)	0.025296987
45	0.048419853	Ig kappa chain V-IV region (Fragment)	0.1897274
46	1.346615393	Ig lambda chain V-I region HA	0.137025344
47	0.049948054	Ig lambda chain V-III region LOI	0.054810138
48	0.182294981	Ig lambda chain V-III region LOI	1.763889885
49	0.003509422	Ig mu heavy chain disease protein	1.181604596
50	0.018356977	Immunoglobulin lambda-like polypeptide 5	0.164430413
51	0.10356106	Integrin alpha-IIb	0.037833546
52	0.066007003	Integrin beta-3	0.007560019
53	0.093219024	Intelectin-1	0.173826437
54	0.188400555	Inter-alpha-trypsin inhibitor heavy chain H4	0.054278
55	0.005187841	Kaillitatin	0.046980118
56	0.05209955	Keratin, type I cytoskeletal 10	0.498865151
57	0.081137839	Keratin, type I cytoskeletal 14	0.14229555
58	0.014318442	Keratin, type I cytoskeletal 9	0.389859205
59	0.032039724	Keratin, type II cytoskeletal 1	0.652738912
60	0.064848017	Keratin, type II cytoskeletal 2 epidermal	0.394632991
61	0.364979898	Lysozyme C	0.019344754
62	0.013257817	Macrophage receptor MARCO	0.037229527
63	0.248186331	Out at first protein homolog	0.021216827
64	0.099432626	Pigment epithelium-derived factor	0.06791691
65	0.238640703	Platelet glycoprotein Ib alpha chain	0.040511841
66	0.034091529	Proprotein convertase subtilisin/kexin type 9	0.033330489
67	0.011363843	Proteoglycan 4	0.002177886
68	0.076161926	Ras-related protein Rap-1b	0.156600393
69	0.030792349	Serum paraoxonase/lactonase 3	0.069882926
70	0.343642612	Talin-1	0.020706052
71	0.523683764	Tropomyosin alpha-4 chain	0.034020085
72	0.0509660176		
73	0.203838933		
74	0.113499846		
75	0.583702259		
76	0.083005462		
77	0.140376884		
78	0.186887297		
79	0.052333487		
80	0.021056533		
81	0.076365025		
82	0.206098789		
83	0.088855581		
84	1.123831216		
85	0.110141863		
86	0.045892443		
87	0.146855817		
88	0.03181876		
89	0.01590938		
90	0.308244241		
91	0.348017691		
92	0.091784886		
93	0.028292454		
94	0.003008076		
95	0.260335312		
96	0.011363843		
97	0.008730757		
98	0.083299113		
99	0.054769997		
100	0.340915289		
101	0.02386407		
102	1.541986078		
103	0.003269051		
104	0.069603538		
105	0.138622173		
106	0.205375635		
107	0.044192723		
108	0.049131909		
109	0.011932035		
110	0.002005384		
111	0.011151435		
112	0.013507964		
113	0.071592211		
114	0.063822513		
115	0.049529202		
116	0.108473047		
117	0.031127048		
118	0.202844597		
119	0.723752253		
120	0.16270957		
121	0.018356977		
122	0.014610655		
123	0.03181876		
124	0.014037688		
125	0.100480296		
126	0.03977345		
127	0.143184422		
128	0.119320351		
129	0.018356977		

130	Prothymosin alpha	0.26847079
131	Protocadherin-12	0.008324676
132	Putromycin-sensitive aminopeptidase	0.00579225
133	Reelin	0.015724387
134	Secretoglobin family 2B member 2	0.19274826
135	Serine protease inhibitor A3K	0.48997506
136	Serine protease inhibitor A3N	0.253873088
137	Serine/threonine-protein phosphatase 2A	0.027535466
138	Serum amyloid A-2 protein	0.170457645
139	Serum amyloid P-component	0.091784886
140	SPARC	0.031584799
141	Sulfated glycoprotein 1	0.240596774
142	Sulphydryl oxidase 1	0.090568459
143	Suprabasin	0.013257817
144	Tenascin	0.00565743
145	Transferrin receptor protein 1	0.219216459
146	Transforming protein RhoA	0.097625742
147	Transitional endoplasmic reticulum ATPase	0.26143223
148	Tubulin alpha-1A chain	0.360347461
149	Tubulin alpha-1B chain	0.360347461
150	Tubulin alpha-4A chain	0.031023291
151	Tubulin beta-4A chain	0.198071783
152	Tubulin beta-4B chain	0.46534937
153	Tubulin beta-5 chain	0.52978236
154	Tubulin beta-6 chain	0.021477663
155	Ubiquitin carboxyl-terminal hydrolase 5	0.047230972
156	Ubiquitin-conjugating enzyme E2 O	0.00930868
157	Uncharacterized protein C5orf46 homolog	0.250572738
158	Vesicle-fusing ATPase	0.002875189

Table S1. The full list of all the plasma proteins adhering on PEGylated DOTAP liposomes after 1 h incubation with both MP and HP as identified by NanoLC-MS/MS.

	Common proteins	RPA Mouse (%)	RPA Human (%)
1	14-3-3 protein zeta/delta	0.02339714	0.028506309
2	78 kDa glucose-regulated protein	0.054593327	0.022171573
3	Actin, cytoplasmic I	0.56933041	0.237525272
4	Aflamin	0.0442725212	0.011567777
5	Alpha-1-acid glycoprotein 1	0.109186654	0.515488081
6	Alpha-1-antitrypsin	1.509624173	0.815159123
7	Alpha-1B-glycoprotein	0.149413316	0.162591538
8	Alpha-2-antiplasmin	0.184624706	0.079817664
9	Alpha-2-HS-glycoprotein	0.841032335	0.521884727
10	Alpha-2-macroglobulin	0.65906643	0.34032685
11	Angiotensinogen	0.01889769	0.173189271
12	Antithrombin-III	0.182677671	0.12809461
13	Apolipoprotein A-I	1.405337901	1.441867482
14	Apolipoprotein A-II	0.506229032	1.052141937
15	Apolipoprotein A-IV	0.81526035	0.798176642
16	Apolipoprotein B-100	0.180190156	0.61951501
17	Apolipoprotein C-I	0.622363928	0.310402027
18	Apolipoprotein C-II	0.506229032	0.689334372
19	Apolipoprotein C-III	2.531145161	0.725615129
20	Apolipoprotein C-IV	0.210574261	0.079817664
21	Apolipoprotein D	0.148890892	0.342075704
22	Apolipoprotein E	1.401228726	0.897948722
23	Apolipoprotein F	0.077072932	0.182440375
24	Apolipoprotein M	0.327559962	0.057012617
25	Beta-2-glycoprotein 1	0.453544563	0.042009297
26	C4b-binding protein	0.201575361	3.656040449
27	Carboxypeptidase N subunit 2	0.131023985	0.032712157
28	Cartilage oligomeric matrix protein	0.103860476	0.6587361444
29	CD44 antigen	0.007617674	0.014600792
30	CD5 antigen-like	0.755907605	0.672148751
31	Ceruloplasmin	0.63075596	0.624802207
32	Clusterin	0.497639173	0.575608155
33	Coagulation factor IX	0.173050546	0.445136973
34	Coagulation factor V	0.128636908	0.015836838
35	Coagulation factor VIII	0.19635977	0.053723428
36	Coagulation factor X	0.41854884	0.261221446
37	Collectin-11	0.158132395	0.261471658
38	Complement C1q subcomponent subunit A	0.491339943	0.475836075
39	Complement C1q subcomponent subunit B	0.400351065	0.753833495
40	Complement C1q subcomponent subunit C	0.478741483	0.368389219
41	Complement C1r-A subcomponent	0.221102974	0.419042737
42	Complement C1s-A subcomponent	0.089334535	0.632321755
43	Complement C3	0.94921946	2.20445892
44	Complement C4-B	0.41581446	1.579810762
45	Complement C5	0.04679428	0.275965328
46	Complement component C8 alpha chain	0.074445446	0.38066886
47	Complement component C8 beta chain	0.079408476	0.411001405
48	Complement component C8 gamma chain	0.1139339	0.580492103
49	Complement component C9	0.137363855	0.671481937
50	Complement factor B	0.188828684	0.171700789
51	Complement factor H	0.737599061	0.992414094
52	Complement factor I	0.229780869	0.108842269
53	Corticosteroid-binding globulin	0.087349323	0.017737259
54	C-reactive protein	0.17033118	0.11174473
55	Endoplasmic	0.053406516	0.069406664
56	Fetuin-B	0.114265103	0.019004206
57	Fibrinogen beta chain	4.550105654	3.164200258
58	Fibrinogen gamma chain	2.43302575	1.696125364
59	Fibronectin	0.415149256	0.463821057
60	Fibulin-1	0.0629923	0.228050469
61	Filamin-A	0.018651101	0.012782188
62	Galectin-3-binding protein	0.030708746	0.251732633
63	Gelsolin	0.597987372	0.542945739
64	Glutathione peroxidase 3	0.43237915	0.030699102
65	Glyceraldehyde-3-phosphate dehydrogenase	0.291164411	0.09977208
66	Haptoglobin	0.310762015	0.700621719
67	Hemoglobin subunit alpha	1.746986464	0.585329537
68	Hemoglobin subunit beta	5.629936846	0.573689461
69	Hemopexin	0.449592105	0.18419461
70	Heparin cofactor 2	0.042461477	0.336074375
71	Histidine-rich glycoprotein	0.227626414	0.239452993
72	Hyaluronan-binding protein 2	0.987963111	1.501332255
73	Ig alpha chain C region	1.372210652	1.264536607
74	Ig gamma-1 chain C region	0.670355271	1.718296937
75	Ig gamma-2 chain C region	2.99292841	0.831434002
76	Ig gamma-3 chain C region	0.543451755	1.216732686
77	Ig kappa chain C region	3.139116302	7.615935456
78	Ig lambda-2 chain C region	0.506229032	1.560072527
79	Ig mu chain C region	2.417392519	1.67779988
80	Immunoglobulin J chain	0.764306578	0.576460908
81	Insulin-like growth factor-binding protein complex acid labile subunit	0.009777909	0.018140378
82	Integrin alpha-1Ib	0.026088847	0.010595265
83	Integrin beta-3	0.052170798	0.036697777
84	Inter-alpha-trypsin inhibitor, heavy chain 4	0.548095382	2.734347703
85	Inter-alpha-trypsin inhibitor heavy chain H1	0.531512391	2.646783864
86	Inter-alpha-trypsin inhibitor heavy chain H2	0.622033059	0.870012539
87	Inter-alpha-trypsin inhibitor heavy chain H3	0.141189639	0.656128256
88	Keratin, type I cytoskeletal 10	0.142148663	0.291641465
89	Keratin, type I cytoskeletal 14	0.125984601	0.266058881
90	Keratin, type I cytoskeletal 16	0.1836321	1.100516279
91	Keratin, type II cytoskeletal 1	0.129178577	0.658020954
92	Keratin, type II cytoskeletal 2 epidermal	0.327559962	0.270350153
93	Keratin, type II cytoskeletal 5	0.283145052	0.292664769
94	Keratin, type II cytoskeletal 6A	0.601274451	0.559832228
95	Kinogen-1	0.135968286	0.09035962
96	Lipopolysaccharide-binding protein	0.08619999	0.105023242
97	Lumican	0.069606492	0.085879765
98	Mannan-binding lectin serine protease 1	0.428347643	0.061398203
99	Mannose-binding protein C	0.016942757	0.16092271
100	N-acetylmuramoyl-L-alanine amidase	0.005505209	0.063013945
101	Neural cell adhesion molecule 1	0.045858395	0.015965333
102	Phosphatidylcholine-sterol acyltransferase	0.049846081	0.164840828
103	Pigment epithelium-derived factor	0.184540824	0.067451547
104	Plasma kallikrein	0.152081411	0.653053616
105	Plasma protease C1 inhibitor	1.68819365	0.495571212
106	Plasminogen	0.08598449	0.011567777
107	Platelet glycoprotein Ib alpha chain	0.275150368	0.563418806
108	Properdin	1.226250114	1.708916656
109	Protein AMBP	0.010910586	0.313010448
110	Protein Z-dependent protease inhibitor	0.97332103	5.427601164
111	Prothrombin	0.085450425	0.138813329
112	Retinol-binding protein 4	1.012458064	0.559760242
113	Serotransferrin	4.372213405	2.943999352
114	Serum albumin	0.567770601	0.425694209
115	Serum amyloid A-4 protein	0.264567662	0.127708263
116	Serum amyloid P-component	0.532284938	0.409065529
117	Serum paraoxonase/arylesterase 1	0.064298807	0.011824839
118	Talin-1	0.982679886	0.139216856
119	Thrombospondin-1	0.343010904	0.214604097
120	Thrombospondin-4	0.573229933	0.648518521
121	Transferrin	0.245669971	0.371564988
122	Tropomyosin alpha-4 chain	0.11721586	0.071835898
123	Tubulin alpha-4A chain	0.624790298	0.173189271
124	Vitamin D-binding protein	0.497639173	0.353039668
125	Vitamin K-dependent protein C	0.069879459	1.016344924
126	Vitamin K-dependent protein S	0.8263445	0.68288446
127	Vitamin K-dependent protein Z	1.971315408	4.079569502
128	Vitronectin	0.346277674	0.302222224

	Mouse	RPA (%)	Human	RPA (%)
1	60S acidic ribosomal protein P1	0.059556357	Aggrecan core protein	0.00478906
2	60S acidic ribosomal protein P2	0.08188999	Alpha-1-acid glycoprotein 2	0.09977208
3	60S ribosomal protein L30	0.07559076	Alpha-1-antichymotrypsin	0.365830961
4	60S ribosomal protein L7	0.021132901	Angiopoietin-related protein 6	0.030699102
5	Acidic leucine-rich nuclear phosphoprotein 32 family member A	0.056475856	Apolipoprotein L1	0.226754728
6	Actin, alpha skeletal muscle	0.444545663	Apolipoprotein(a)	0.160909862
7	Alpha-enolase	0.111509774	Beta-Ala-His dipeptidase	0.01662868
8	Alpha-synuclein	0.093588561	Calreticulin	1.536386645
9	Antileukoprotease	0.04679428	Complement C4-A	0.212847104
10	Apolipoprotein A-V	0.015978535	Complement component C6	0.186807299
11	ATP synthase subunit alpha, mitochondrial	0.010918665	Complement component C7	0.420092969
12	ATP synthase subunit beta, mitochondrial	0.01169857	Complement factor H-related protein 1	0.09977208
13	Band 3 anion transport protein	0.047702907	Complement factor H-related protein 5	0.108842269
14	Barrier-to-autointegration factor	0.294803966	Dermeidin	1.243475189
15	Basement membrane-specific heparan sulfate proteoglycan core protein	0.00658412	Fibrinogen alpha chain	0.019310725
16	Beta-2-microglobulin	0.163779981	Filaggrin-2	0.027056835
17	Bighlycin	0.038995234	Glucosylase 2 subunit beta	0.542330795
18	BPI fold-containing family A member 2	0.196535977	Haptoglobin-related protein	0.050947445
19	Carboxylesterase 1C	0.171834734	Hornerin	0.23280152
20	Carboxypeptidase N catalytic chain	0.220473051	Ig gamma-4 chain C region	0.276291914
21	Carboxypeptidase Q	0.05039384	Ig heavy chain V-III region BUT	0.460486524
22	Catalase	0.010918665	Ig heavy chain V-III region GAL	0.13302944
23	Cathelin-related antimicrobial peptide	0.131023985	Ig heavy chain V-III region VH26	0.122796406
24	Clathrin heavy chain 1	0.018766456	Ig heavy chain V-III region WEA	0.266058881
25	Coagulation factor XII	0.054593327	Ig kappa chain V4 region HK102 (Fragment)	0.06651472
26	Coagulation factor XIII A chain	0.063144089	Ig kappa chain V4 region WEA	0.484607247
27	Coagulation factor XIII B chain	0.133609884	Ig kappa chain V-III region B6	0.153495508
28	Collagen alpha-1(XII) chain	0.00578047	Ig kappa chain V-III region HAH	0.399088321
29	Complement factor D	0.584928504	Ig kappa chain V-III region VG (Fragment)	0.22557166
30	Creatine kinase M-type	0.152353471	Ig kappa chain V-IV region (Fragment)	0.097735915
31	C-type lectin domain family 11 member A	0.045494439	Ig lambda chain V-I region HA	0.720933741
32	Decorin	0.221102974	Immunoglobulin lambda-like polypeptide 5	0.258233619
33	Desmoplakin	0.001967327	Kallistatin	0.039908832
34	Dickkopf-related protein 3	0.034479996	Keratin, type I cytoskeletal 9	0.04988604
35	EGF-containing fibulin-like extracellular matrix protein 1	0.083378899	Lysozyme C	0.50793059
36	Elongation factor 1-alpha 1	0.013102398	Monocyte differentiation antigen CD14	0.217684539
37	EMILIN-1	0.006065925	Procollagen C-endopeptidase enhancer 1	0.18419461
38	Epidermal growth factor receptor	0.00485274	Protein S100-A7	0.013214845
39	Epidermal growth factor-binding protein type B	0.045180684	Protein S100-A8	0.23280152
40	Erythrocyte band 7 integral membrane protein	0.042265802	Protein S100-A9	0.057012617
41	Extracellular matrix protein 1	0.036395551	Proteoglycan 4	0.085518926
42	Ficolin-1	0.109186654	Secreted phosphoprotein 24	0.014424879
43	Glycosylation-dependent cell adhesion molecule 1	0.040944995	Serum amyloid A-1 protein	0.009461146
44	H-2 class I histocompatibility antigen, Q10 alpha chain	0.336412934	Serum amyloid A-2 protein	0.108490029
45	Heat shock cognate 71 kDa protein	0.055362247	Soluble scavenger receptor cysteine-rich domain-containing protein	0.056012396
46	Heat shock protein HSP 90-alpha	0.026975526	Tenascin-X	0.864691362
47	Histone H2B type 1-B	0.04679428	von Willebrand factor	0.06651472
48	Histone H3 2	0.109186654		
49	Histone H4	0.476450854		
50	Ig heavy chain V region 3-45	0.503938403		
51	Ig heavy chain V region 3-6	0.07559076		
52	Ig heavy chain V region 4-41	0.503938403		
53	Ig heavy chain V region 5-84	0.453544563		
54	Ig heavy chain V region 6-96	0.714676281		
55	Ig heavy chain V region 9-14	0.17866907		
56	Ig heavy chain V region AC38 205.12	0.831498365		
57	Ig heavy chain V region B1-8/186-2	0.305722631		
58	Ig heavy chain V region M	0.05039384		
59	Ig heavy chain V region M	0.201575361		
60	Ig heavy chain V region M	0.349397293		
61	Ig heavy chain V region MCI101	0.403150722		
62	Ig heavy chain V region PJ14	0.136483317		
63	Ig heavy chain V region VH55 A1/A4	0.07559076		
64	Ig heavy chain V regions TEPC 15/S107/HPCM1/HPCM2/HPCM3	0.533142223		
65	Ig heavy chain V-III region J606	0.755907605		
66	Ig kappa chain V19-17	0.225197474		
67	Ig kappa chain V-I region S107A	0.251969202		
68	Ig kappa chain V-II region 26-10	0.737009914		
69	Ig kappa chain V-II region 7S34.1	0.272966635		
70	Ig kappa chain V-II region VKappa167	0.251969202		
71	Ig kappa chain V-III region CBPC 101	0.272966635		
72	Ig kappa chain V-III region PC 2880/PC 1229	0.163779981		
73	Ig kappa chain V-III region PC 6684	0.491339943		
74	Ig kappa chain V-IV region S107B	0.187177121		
75	Ig kappa chain V-V region HP R16.7	0.518636606		
76	Ig kappa chain V-V region K2 (Fragment)	0.453544563		
77	Ig kappa chain V-V region L6 (Fragment)	0.352756882		
78	Ig kappa chain V-V region L7 (Fragment)	0.151181521		
79	Ig kappa chain V-V region M	0.272966635		
80	Ig kappa chain V-V region M	0.421148523		
81	Ig kappa chain V-V1 region NQ2-17.4.1	0.272966635		
82	Ig kappa chain V-V1 region XRPC 44	0.272966635		
83	Ig lambda-1 chain C region	0.272966635		
84	Ig lambda-1 chain V region	0.093588561		
85	Ig lambda-2 chain V region	0.027962436		
86	Inhibitor of carbonic anhydrase	0.033885513		
87	Junction plakoglobin	0.079066198		
88	Kallikrein 1-related peptidase b16	0.090361369		
89	Kallikrein 1-related peptidase b9	0.054593327		
90	Kallikrein-1	0.075065825		
91	Keratin, type I cytoskeletal 13	0.098267989		
92	Keratin, type I cytoskeletal 17	0.171834734		
93	Keratin, type I cytoskeletal 42	0.051993645		
94	Keratin, type II cytoskeletal 1b	0.051381955		
95	Keratin, type II cytoskeletal 2 oral	0.005254973		
96	Lactadherin	0.005326178		
97	Latent-transforming growth factor beta-binding protein 1	0.077072932		
98	Leukemia inhibitory factor receptor	0.05906819		
99	Lysozyme C-2	0.017239998		
100	Macrophage colony-stimulating factor 1	0.052409594		
101	Mannan-binding lectin serine protease 2	0.027296663		
102	Mannose-binding protein A	0.040944995		
103	Metalloproteinase inhibitor 3	0.359323352		
104	Multimerin-1	0.129404045		
105	Murineoglobulin-1	0.269755263		
106	Murineoglobulin-2	0.004328986		
107	Myosin light polypeptide 6	0.030846454		
108	Myosin-11	0.114501049		
109	Myosin-4	0.030470694		
110	Myosin-9	0.036395551		
111	Nucleosome assembly protein 1-like 4	0.029778178		
112	Peptidyl-prolyl cis-trans isomerase A	0.081009453		
113	Peroxisomaloxin-2	0.090988878		
114	Phosphatidylinositol-glycan-specific phospholipase D	0.804010816		
115	Phospholipid transfer protein	0.053479177		
116	Platelet factor 4	0.015414586		
117	Platelet-activating factor acetylhydrolase	0.103439988		
118	Polymeric immunoglobulin receptor	0.218373308		
119	Prostaglandin H synthase 3	0.125984601		
120	Proteasome subunit alpha type-1	0.092588561		
121	Proteasome subunit alpha type-2	0.146837224		
122	Proteasome subunit alpha type-3	0.05039384		
123	Proteasome subunit alpha type-4	0.26690071		
124	Proteasome subunit alpha type-5	0.187177121		
125	Proteasome subunit alpha type-6	0.163779981		
126	Proteasome subunit alpha type-7	0.045180684		
127	Proteasome subunit beta type-1	0.021837331		
128	Proteasome subunit beta type-10	0.131023985		

129	Proteasome subunit beta type-7	0.085450425	
130	Proteasome subunit beta type-8	0.107304125	
131	Proteasome subunit beta type-9	0.04679428	
132	Pyruvate kinase PKM	0.038536466	
133	Ras-related protein Rap-1b	0.060102745	
134	Ribonuclease 4	0.060941388	
135	Sarcoplasmic/endoplasmic reticulum calcium ATPase 1	0.738752255	
136	Selenoprotein P	0.15332594	
137	Serine protease inhibitor A3K	0.072791103	
138	Serine protease inhibitor A3N	0.094716134	
139	SPARC-like protein 1	0.008471378	
140	Sulfhydryl oxidase 1	0.09677908	
141	Tenascin	0.055206735	
142	Transforming growth factor beta-1	0.119112713	
143	Transitional endoplasmic reticulum ATPase	0.059556357	
144	Tropomyosin alpha-1 chain	0.039307195	
145	Tropomyosin beta chain	0.078614391	
146	Tubulin alpha-1B chain	0.176882379	
147	Tubulin beta-1 chain	0.018584962	
148	Tubulin beta-4B chain	0.005599316	
149	Ubiquitin-conjugating enzyme E2	0.042887666	
150	Vinculin	0.54593327	
151	Zinc-alpha-2-glycoprotein	0.109186654	

Table S2. The full list of all the plasma proteins adhering on DOTAP-DSPC-Cholesterol liposomes after 1 h incubation with both MP and HP as identified by NanoLC-MS/MS.