

Epitope #	Epitope name	Epitope sequence	Epitope length	Percent of protein sequence matches at identity <= 100%	Minimum identity	Maximum identity	View details
42	ws- separate d-41	FPNITNLC PF	10	100.00% (1/1)	100.00%	100.00%	
47	ws- separate d-46	CVADYSVL Y	9	100.00% (1/1)	100.00%	100.00%	
80	ws- separate d-79	GYQPVRVV VL	10	100.00% (1/1)	100.00%	100.00%	
82	ws- separate d-81	QPYRVVVL SF	10	100.00% (1/1)	100.00%	100.00%	
83	ws- separate d-82	PYRVVLS F	9	100.00% (1/1)	100.00%	100.00%	
89	ws- separate d-88	VNFnFNGL	8	100.00% (1/1)	100.00%	100.00%	
93	ws- separate d-92	VLYQDVNC T	9	100.00% (1/1)	100.00%	100.00%	
97	ws- separate d-96	IGAGICAS Y	9	100.00% (1/1)	100.00%	100.00%	
111	ws- separate d-110	LLLQYGSF C	9	100.00% (1/1)	100.00%	100.00%	
112	ws- separate d-111	LLQYGSFC T	9	100.00% (1/1)	100.00%	100.00%	
113	ws- separate d-112	GSFCTQLN R	9	100.00% (1/1)	100.00%	100.00%	
120	ws- separate d-119	SFIEDLLF NK	10	100.00% (1/1)	100.00%	100.00%	
121	ws- separate d-120	LLFNKVTL A	9	100.00% (1/1)	100.00%	100.00%	
129	ws- separate d-128	TQNVLYEN QK	10	100.00% (1/1)	100.00%	100.00%	
134	ws- separate d-133	AQALNTLV K	9	100.00% (1/1)	100.00%	100.00%	
135	ws- separate d-134	ALNTLVKQ L	9	100.00% (1/1)	100.00%	100.00%	

136	ws- separate d-135	SVLNDILS R	9	100.00%	(1/1)	100.00%	100.00%
137	ws- separate d-136	VLNDILSR L	9	100.00%	(1/1)	100.00%	100.00%
138	ws- separate d-137	RLDKVEAE V	9	100.00%	(1/1)	100.00%	100.00%
139	ws- separate d-138	AEVQIDRL I	9	100.00%	(1/1)	100.00%	100.00%
140	ws- separate d-139	AEVQIDRL IT	10	100.00%	(1/1)	100.00%	100.00%
141	ws- separate d-140	VQIDRLIT GR	10	100.00%	(1/1)	100.00%	100.00%
142	ws- separate d-141	LITGRLQS L	9	100.00%	(1/1)	100.00%	100.00%
143	ws- separate d-142	RLQSLQTY V	9	100.00%	(1/1)	100.00%	100.00%
144	ws- separate d-143	AEIRASAN LA	10	100.00%	(1/1)	100.00%	100.00%
145	ws- separate d-144	ASANLAAT K	9	100.00%	(1/1)	100.00%	100.00%
146	ws- separate d-145	RVDFCGKG Y	9	100.00%	(1/1)	100.00%	100.00%
149	ws- separate d-148	APHGVVFL HV	10	100.00%	(1/1)	100.00%	100.00%
150	ws- separate d-149	GVVFLHVT Y	9	100.00%	(1/1)	100.00%	100.00%
151	ws- separate d-150	VVFLHVTY V	9	100.00%	(1/1)	100.00%	100.00%
165	ws- separate d-164	IITDNTF V	9	100.00%	(1/1)	100.00%	100.00%
166	ws- separate d-165	VYDPLQPE L	9	100.00%	(1/1)	100.00%	100.00%
167	ws- separate d-166	DSFKEELD KY	10	100.00%	(1/1)	100.00%	100.00%
168	ws- separate d-167	RLNEVAKN L	9	100.00%	(1/1)	100.00%	100.00%

169	ws- separate d-168	NLNESLID L	9	100.00%	(1/1)	100.00%	100.00%
170	ws- separate d-169	SLIDLQEL GK	10	100.00%	(1/1)	100.00%	100.00%
171	ws- separate d-170	SLIDLQEL GKYEQYIK W	17	100.00%	(1/1)	100.00%	100.00%
172	ws- separate d-171	LIDLQELG KY	10	100.00%	(1/1)	100.00%	100.00%
173	ws- separate d-172	QELGKYEQ YI	10	100.00%	(1/1)	100.00%	100.00%
175	ws- separate d-174	YEQYIKWP WY	10	100.00%	(1/1)	100.00%	100.00%
179	ws- separate d-178	FIAGLIAI V	9	100.00%	(1/1)	100.00%	100.00%
180	ws- separate d-179	GLIAIVMV TI	10	100.00%	(1/1)	100.00%	100.00%
183	ws- separate d-182	CMTSCCSC LK	10	100.00%	(1/1)	100.00%	100.00%
184	ws- separate d-183	MTSCCSC K	9	100.00%	(1/1)	100.00%	100.00%
185	ws- separate d-184	DEDDSEPV L	9	100.00%	(1/1)	100.00%	100.00%
186	ws- separate d-185	SEPVLKGV KL	10	100.00%	(1/1)	100.00%	100.00%
84	ws- separate d-83	VVLSFELL NAPATVCG PK	18	100.00%	(1/1)	94.44%	94.44%
174	ws- separate d-173	LGKYEQYI KWPWYVWL GF	18	100.00%	(1/1)	94.44%	94.44%
81	ws- separate d-80	GYQPVRVV VLSFELLN A	17	100.00%	(1/1)	94.12%	94.12%
147	ws- separate d-146	LMSFPQAA PHGVVFLH V	17	100.00%	(1/1)	94.12%	94.12%
24	ws- separate d-23	NFKHLREF VF	10	100.00%	(1/1)	90.00%	90.00%
25	ws- separate d-24	REFVFKNK DG	10	100.00%	(1/1)	90.00%	90.00%

48	ws- separate d-47	ADYSVLYN ST	10	100.00%	(1/1)	90.00%	90.00%
52	ws- separate d-51	KCYGVSAT KL	10	100.00%	(1/1)	90.00%	90.00%
54	ws- separate d-53	KLNDLCFS NV	10	100.00%	(1/1)	90.00%	90.00%
59	ws- separate d-58	KLPDDFMG CV	10	100.00%	(1/1)	90.00%	90.00%
86	ws- separate d-85	APATVCGP KL	10	100.00%	(1/1)	90.00%	90.00%
115	ws- separate d-114	VFAQVKQM YK	10	100.00%	(1/1)	90.00%	90.00%
122	ws- separate d-121	VTLADAGF MK	10	100.00%	(1/1)	90.00%	90.00%
148	ws- separate d-147	FPQAAPHG VV	10	100.00%	(1/1)	90.00%	90.00%
154	ws- separate d-153	APAICHEG KA	10	100.00%	(1/1)	90.00%	90.00%
159	ws- separate d-158	REGVFVFN GT	10	100.00%	(1/1)	90.00%	90.00%
176	ws- separate d-175	QYIKWPWY VW	10	100.00%	(1/1)	90.00%	90.00%
177	ws- separate d-176	WPWYVWLG FI	10	100.00%	(1/1)	90.00%	90.00%
181	ws- separate d-180	VMVTILLC CM	10	100.00%	(1/1)	90.00%	90.00%
9	ws- separate d-8	TQDLFLPF Y	9	100.00%	(1/1)	88.89%	88.89%
46	ws- separate d-45	KISNCVAD Y	9	100.00%	(1/1)	88.89%	88.89%
53	ws- separate d-52	CYGVSATK L	9	100.00%	(1/1)	88.89%	88.89%
56	ws- separate d-55	GVIADYNY K	9	100.00%	(1/1)	88.89%	88.89%
57	ws- separate d-56	VIADYNYK L	9	100.00%	(1/1)	88.89%	88.89%

58	ws- separate d-57	KLPDDFMG C	9	100.00%	(1/1)	88.89%	88.89%
85	ws- separate d-84	FELLNAPA T	9	100.00%	(1/1)	88.89%	88.89%
88	ws- separate d-87	IKNQCVNF NFNGLTGT GV	18	100.00%	(1/1)	88.89%	88.89%
96	ws- separate d-95	HVDTSYEC DIPIGAGI CA	18	100.00%	(1/1)	88.89%	88.89%
103	ws- separate d-102	SIVAYTMS L	9	100.00%	(1/1)	88.89%	88.89%
105	ws- separate d-104	AYSNNTIA I	9	100.00%	(1/1)	88.89%	88.89%
109	ws- separate d-108	KTSVDCNM Y	9	100.00%	(1/1)	88.89%	88.89%
110	ws- separate d-109	ECANLLQ Y	9	100.00%	(1/1)	88.89%	88.89%
114	ws- separate d-113	VFAQVKQM Y	9	100.00%	(1/1)	88.89%	88.89%
118	ws- separate d-117	SQILPDPL K	9	100.00%	(1/1)	88.89%	88.89%
123	ws- separate d-122	TLADAGFM K	9	100.00%	(1/1)	88.89%	88.89%
130	ws- separate d-129	VLYENQKQ I	9	100.00%	(1/1)	88.89%	88.89%
155	ws- separate d-154	AYFPREGV F	9	100.00%	(1/1)	88.89%	88.89%
157	ws- separate d-156	FPREGVFN F	9	100.00%	(1/1)	88.89%	88.89%
158	ws- separate d-157	REGVFN G	9	100.00%	(1/1)	88.89%	88.89%
178	ws- separate d-177	VWLGFIAG L	9	100.00%	(1/1)	88.89%	88.89%
182	ws- separate d-181	ILLCCMTS C	9	100.00%	(1/1)	88.89%	88.89%
6	ws- separate d-5	GVYYPDEI FR	10	100.00%	(1/1)	80.00%	80.00%

8	ws- separate d-7	LTQDLFLP FY	10	100.00%	(1/1)	80.00%	80.00%
10	ws- separate d-9	LPFYSNVT GF	10	100.00%	(1/1)	80.00%	80.00%
32	ws- separate d-31	AAAYFVGY LK	10	100.00%	(1/1)	80.00%	80.00%
43	ws- separate d-42	FNATKFPS VY	10	100.00%	(1/1)	80.00%	80.00%
49	ws- separate d-48	DYSVLYNS TF	10	100.00%	(1/1)	80.00%	80.00%
50	ws- separate d-49	LYNSTFFS TF	10	100.00%	(1/1)	80.00%	80.00%
55	ws- separate d-54	NVYADSFV VK	10	100.00%	(1/1)	80.00%	80.00%
60	ws- separate d-59	LPDDFMGC VL	10	100.00%	(1/1)	80.00%	80.00%
79	ws- separate d-78	TTGIGYQP YR	10	100.00%	(1/1)	80.00%	80.00%
90	ws- separate d-89	RFQPFQQF GR	10	100.00%	(1/1)	80.00%	80.00%
92	ws- separate d-91	SEVAVLYQ DV	10	100.00%	(1/1)	80.00%	80.00%
153	ws- separate d-152	TYVPSQER NF	10	100.00%	(1/1)	80.00%	80.00%
156	ws- separate d-155	YFPREGVF VF	10	100.00%	(1/1)	80.00%	80.00%
7	ws- separate d-6	YLTQDLFL PFYSNVTG FH	18	100.00%	(1/1)	77.78%	77.78%
20	ws- separate d-19	NAFNCTFE Y	9	100.00%	(1/1)	77.78%	77.78%
21	ws- separate d-20	AFNCTFEY I	9	100.00%	(1/1)	77.78%	77.78%
31	ws- separate d-30	SAAAYFVG Y	9	100.00%	(1/1)	77.78%	77.78%
33	ws- separate d-32	AAAYFVGY LKPTTFML KY	18	100.00%	(1/1)	77.78%	77.78%

34	ws- separate d-33	AA YFVGYL K	9	100.00%	(1/1)	77.78%	77.78%
44	ws- separate d-43	SVYAWERK K	9	100.00%	(1/1)	77.78%	77.78%
45	ws- separate d-44	VYAWERKK I	9	100.00%	(1/1)	77.78%	77.78%
51	ws- separate d-50	TFFSTFKC Y	9	100.00%	(1/1)	77.78%	77.78%
78	ws- separate d-77	TTGIGYQP Y	9	100.00%	(1/1)	77.78%	77.78%
87	ws- separate d-86	GPKLSTDL IKNQCVNF NF	18	100.00%	(1/1)	77.78%	77.78%
94	ws- separate d-93	IYSTGNNV F	9	100.00%	(1/1)	77.78%	77.78%
95	ws- separate d-94	GAEHVDTS Y	9	100.00%	(1/1)	77.78%	77.78%
106	ws- separate d-105	IPTNFSIS I	9	100.00%	(1/1)	77.78%	77.78%
119	ws- separate d-118	ILPDPLKP T	9	100.00%	(1/1)	77.78%	77.78%
124	ws- separate d-123	LLTDDMIA A	9	100.00%	(1/1)	77.78%	77.78%
125	ws- separate d-124	LTDDMIAA Y	9	100.00%	(1/1)	77.78%	77.78%
126	ws- separate d-125	MIAAYTAA L	9	100.00%	(1/1)	77.78%	77.78%
128	ws- separate d-127	ATAGWTFG A	9	100.00%	(1/1)	77.78%	77.78%
131	ws- separate d-130	KQIANQFN K	9	100.00%	(1/1)	77.78%	77.78%
152	ws- separate d-151	VTYVPSQE R	9	100.00%	(1/1)	77.78%	77.78%
161	ws- separate d-160	GTSWFITQ R	9	100.00%	(1/1)	77.78%	77.78%
162	ws- separate d-161	SWFITQRN F	9	100.00%	(1/1)	77.78%	77.78%

164	ws- separate d-163	WFITQRNF F	9	100.00%	(1/1)	77.78%	77.78%
19	ws- separate d-18	DNAFNCTF EY	10	100.00%	(1/1)	70.00%	70.00%
36	ws- separate d-35	GYLKPTTF ML	10	100.00%	(1/1)	70.00%	70.00%
40	ws- separate d-39	KSF EIDKG IY	10	100.00%	(1/1)	70.00%	70.00%
41	ws- separate d-40	FEIDKGIY QT	10	100.00%	(1/1)	70.00%	70.00%
68	ws- separate d-67	STGNVNYK YR	10	100.00%	(1/1)	70.00%	70.00%
70	ws- separate d-69	NVNYKYRY LR	10	100.00%	(1/1)	70.00%	70.00%
75	ws- separate d-74	CYWPLNDY GF	10	100.00%	(1/1)	70.00%	70.00%
77	ws- separate d-76	TTTGIGYQ PY	10	100.00%	(1/1)	70.00%	70.00%
116	ws- separate d-115	KQMYKTPT LK	10	100.00%	(1/1)	70.00%	70.00%
160	ws- separate d-159	FVFNGTSW FI	10	100.00%	(1/1)	70.00%	70.00%
163	ws- separate d-162	SWFITQRN FF	10	100.00%	(1/1)	70.00%	70.00%
5	ws- separate d-4	TSSMRGVY Y	9	100.00%	(1/1)	66.67%	66.67%
35	ws- separate d-34	GYLKPTTF M	9	100.00%	(1/1)	66.67%	66.67%
37	ws- separate d-36	KPTTFMLK Y	9	100.00%	(1/1)	66.67%	66.67%
67	ws- separate d-66	STGNVNYK Y	9	100.00%	(1/1)	66.67%	66.67%
69	ws- separate d-68	NVNYKYRY L	9	100.00%	(1/1)	66.67%	66.67%
91	ws- separate d-90	ASSEVAVL Y	9	100.00%	(1/1)	66.67%	66.67%

104	ws- separate d-103	LGADSSIA Y	9	100.00%	(1/1)	66.67%	66.67%
107	ws- separate d-106	TEVMPVSM A	9	100.00%	(1/1)	66.67%	66.67%
108	ws- separate d-107	EVMPVSMA K	9	100.00%	(1/1)	66.67%	66.67%
12	ws- separate d-11	TFGNPVIP FKDGIYFA A	17	100.00%	(1/1)	64.71%	64.71%
71	ws- separate d-70	YNYKYRYL	8	100.00%	(1/1)	62.50%	62.50%
4	ws- separate d-3	HTSSMRGV YY	10	100.00%	(1/1)	60.00%	60.00%
11	ws- separate d-10	TFGNPVIP FK	10	100.00%	(1/1)	60.00%	60.00%
27	ws- separate d-26	DLPSGFNT LK	10	100.00%	(1/1)	60.00%	60.00%
29	ws- separate d-28	IWGTSAAA YFVGYLK	15	100.00%	(1/1)	60.00%	60.00%
66	ws- separate d-65	TSTGNVNY KY	10	100.00%	(1/1)	60.00%	60.00%
72	ws- separate d-71	FERDISNV PF	10	100.00%	(1/1)	60.00%	60.00%
117	ws- separate d-116	QMYKTPTL KY	10	100.00%	(1/1)	60.00%	60.00%
100	ws- separate d-99	LLRSTSQK SIVAYTMS L	17	100.00%	(1/1)	58.82%	58.82%
1	ws- separate d-0	FIFLLFLT L	9	100.00%	(1/1)	55.56%	55.56%
3	ws- separate d-2	HTSSMRGV Y	9	100.00%	(1/1)	55.56%	55.56%
26	ws- separate d-25	NKDGFLYV Y	9	100.00%	(1/1)	55.56%	55.56%
30	ws- separate d-29	GTSAAAYF V	9	100.00%	(1/1)	55.56%	55.56%
63	ws- separate d-62	ATSTGNVY Y	9	100.00%	(1/1)	55.56%	55.56%

65	ws- separate d-64	TSTGNYN K	9	100.00% (1/1)	55.56%	55.56%
76	ws- separate d-75	FYTTTGIG Y	9	100.00% (1/1)	55.56%	55.56%
127	ws- separate d-126	ALVSGTAT A	9	100.00% (1/1)	55.56%	55.56%
133	ws- separate d-132	TTTSTALG K	9	100.00% (1/1)	55.56%	55.56%
13	ws- separate d-12	WVFGSTMN NK	10	100.00% (1/1)	50.00%	50.00%
22	ws- separate d-21	FEYISDAF SL	10	100.00% (1/1)	50.00%	50.00%
61	ws- separate d-60	NIDATSTG NY	10	100.00% (1/1)	50.00%	50.00%
64	ws- separate d-63	ATSTGNYN YK	10	100.00% (1/1)	50.00%	50.00%
74	ws- separate d-73	PPALNCYW PL	10	100.00% (1/1)	50.00%	50.00%
101	ws- separate d-100	STSQKSIV AY	10	100.00% (1/1)	50.00%	50.00%
132	ws- separate d-131	QESLTTTS TA	10	100.00% (1/1)	50.00%	50.00%
2	ws- separate d-1	FDDVQAPN Y	9	100.00% (1/1)	44.44%	44.44%
14	ws- separate d-13	VFGSTMNN K	9	100.00% (1/1)	44.44%	44.44%
15	ws- separate d-14	TMNNKSQS V	9	100.00% (1/1)	44.44%	44.44%
16	ws- separate d-15	FELCDNPF F	9	100.00% (1/1)	44.44%	44.44%
17	ws- separate d-16	ELCDNPF A	9	100.00% (1/1)	44.44%	44.44%
18	ws- separate d-17	MIFDNAFN C	9	100.00% (1/1)	44.44%	44.44%
23	ws- separate d-22	AFSLDVSE K	9	100.00% (1/1)	44.44%	44.44%

38	ws- separate d-37	SQNPLAEL K	9	100.00% (1/1)	44.44%	44.44%
39	ws- separate d-38	SVKSFEID K	9	100.00% (1/1)	44.44%	44.44%
62	ws- separate d-61	IDATSTGN Y	9	100.00% (1/1)	44.44%	44.44%
73	ws- separate d-72	CTPPALNC Y	9	100.00% (1/1)	44.44%	44.44%
99	ws- separate d-98	SLLRSTSQ K	9	100.00% (1/1)	44.44%	44.44%
102	ws- separate d-101	TSQKSIVA Y	9	100.00% (1/1)	44.44%	44.44%
28	ws- separate d-27	GFNTLKPI FK	10	100.00% (1/1)	40.00%	40.00%
98	ws- separate d-97	VSLLRSTS QK	10	100.00% (1/1)	40.00%	40.00%