

Supporting Information

Table 1S. Immobilization parameters of LIPB and CALB on the different supports used in this paper.

Immobilization on Accurel MP 1000				
Biocatalisador	Ua (U/gsupport)	Us (U/gsupport)	Protein offered(mg)/gsupport	Protein adsorved (mg/gsupport)
LIPB	25	0.5±0.02	2±0.1	0.1±0.1
	100	5.0±0.1	9.5±0.5	1.7±0.5
	175	15.7±0.1	14±0.2	4.0±0.1
	350	80.5±0.05	28±0.5	12±0.05
	700	175±0.05	57±0.5	35±0.2
CALB	25	1.8±0.1	2±0.1	0.1±0.1
	100	11±0.3	9.5±0.1	1.7±0.1
	175	27±0.3	14±0.02	4.2±0.1
	350	90±0.2	28±0.5	12±0.05
	700	186±0.1	57±0.5	35±0.3
Immobilization on PS-co-DVB/ PS-co-DVB				
	Ua (U/gsupport)	Us (U/gsupport)	Protein offered(mg)/gsupport	Protein adsorved (mg/gsupport)
LIPB	25	1	2±0.1	1±0.1
	100	4	9.5±0.1	4±0.3
	175	7	14±0.02	1.6±0.02
	350	14	28±0.5	14±0.05
	700	140	57±0.5	29±0.1
CALB	25	0.899	2±0.1	0.5±0.05
	100	5.02	9.5±0.1	3.4±0.1
	175	11.77	14±0.02	6.5±0.05
	350	31.31	28±0.5	19±0.1
	700	300	57±0.5	36±0.1
Immobilization on PMMA-co-DVB/ PMMA-co-DVB				
	Ua (U/gsupport)	Us (U/gsupport)	Protein offered(mg)/gsupport	Protein adsorved (mg/gsupport)
LIPB	25	1.75	2±0.1	0.1±0.05
	100	7	9.5±0.1	5±0.3
	175	21	14±0.02	7±0.1
	350	63	28±0.5	18±0.1
	700	196	57±0.5	37±0.1
CALB	25	5.8	2±0.1	1±0.2
	100	24	9.5±0.1	6±0.3
	175	44	14±0.02	10±0.4
	350	145	28±0.5	20±0.05
	700	401	57±0.5	38±0.05
Immobilization on PMMA/ PMMA				
Biocatalisador	Ua (U/gsupport)	Us (U/gsupport)	Protein offered(mg)/gsupport	Protein adsorved (mg/gsupport)
	25	3.75	2±0.1	1±0.3

LIPB	100	17	9.5±0.1	6±0.05
	175	29.75	14±0.02	9±0.2
	350	87.5	28±0.5	20±0.1
	700	210	57±0.5	37±0.1
CALB	25	1.9	2±0.1	1±0.3
	100	36.55	9.5±0.1	4±0.2
	175	76	14±0.02	7±0.05
	350	153	28±0.5	19.5±0.05
	700	368	57±0.5	33±0.05

* U_a is the total units of enzyme added in the beginning of the immobilization process (U/g of support);

U_s is the units of enzyme that are not adsorbed on the support and that are removed in the first washes (U/g of support); U_{imo} is the actual units of enzyme immobilized (U/g of support); protein offered-Protein in initial immobilization ($mg/g_{support}^{initial} - mg/g_{support}^{final}$); immobilization time: 24 h

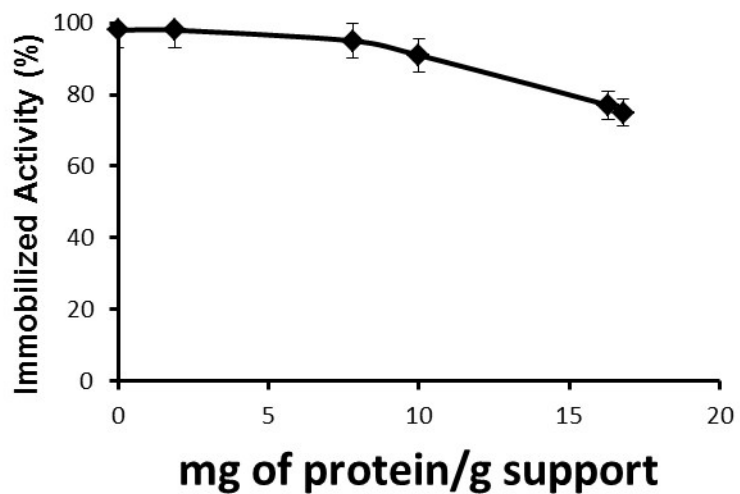


Figure 1S. Loading Capacity of LIPB lipase on Accurel MP 1000 support. Experiments were performed as described in Section 2.2.10.

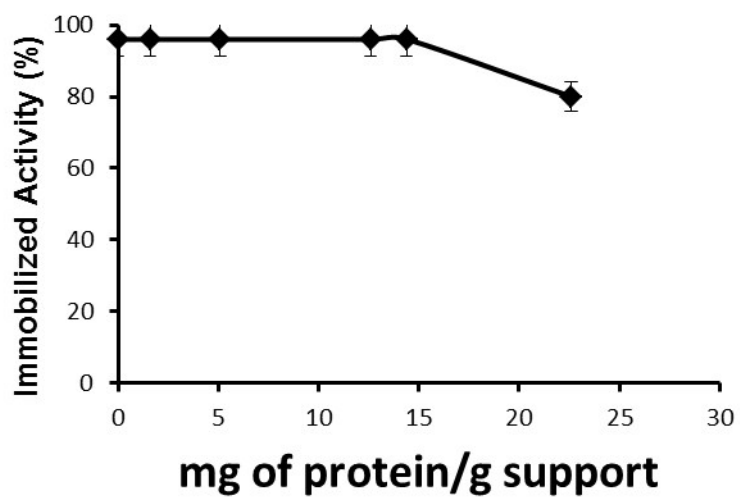


Figure 2S. Loading Capacity of LIPB lipase on PS-co-DVB/ PS-co-DVB support. Experiments were performed as described in Section 2.2.10.

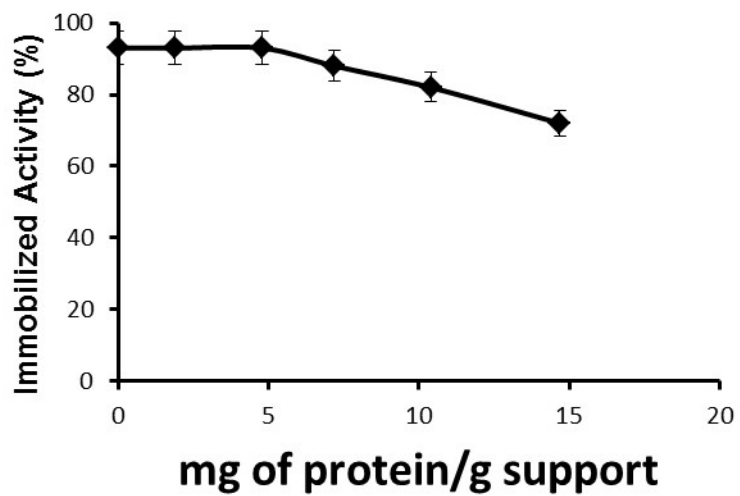


Figure 3S. Loading Capacity of LIPB lipase on PMMA-co-DVB/PMMA-co-DVB support. Experiments were performed as described in Section 2.2.10.

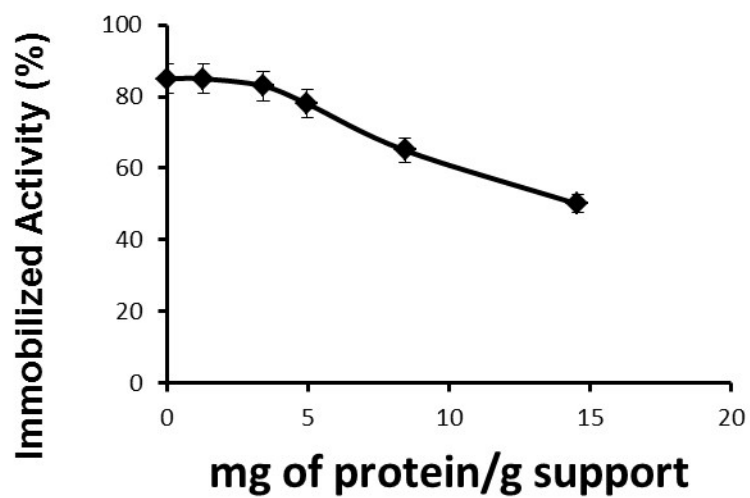


Figure 4S. Loading Capacity of LIPB lipase on PMMA/PMMA support. Experiments were performed as described in Section 2.2.10.

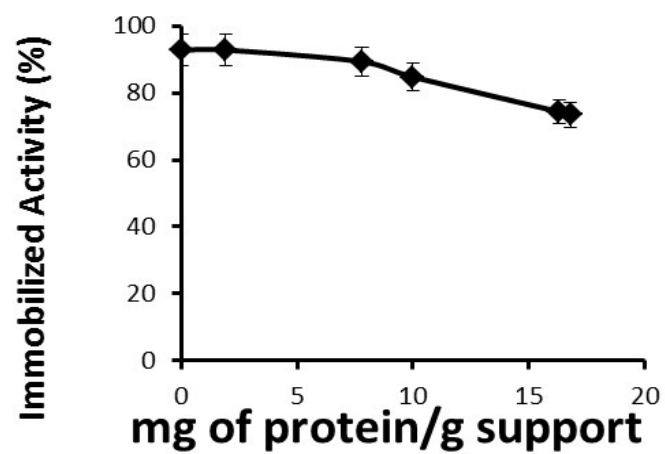


Figure 5S. Loading Capacity of CALB lipase on Accurel MP 1000 support. Experiments were performed as described in Section 2.2.10.

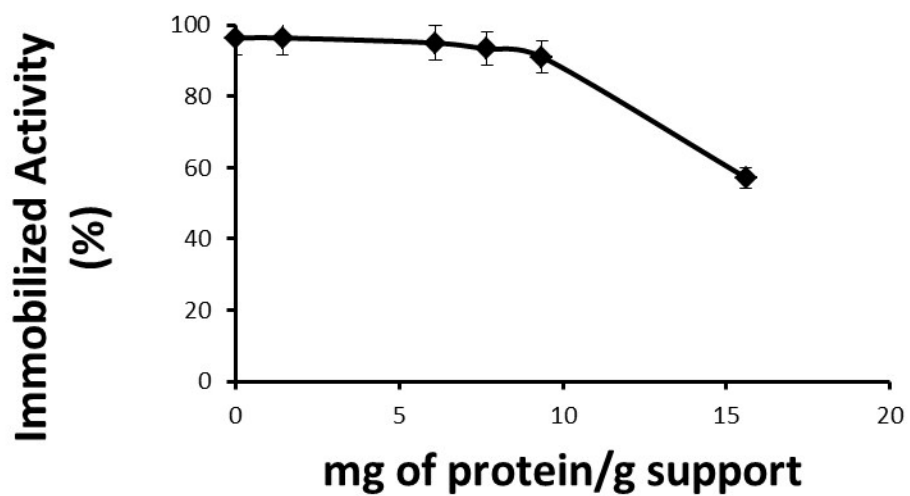


Figure 6S. Loading Capacity of CALB lipase on PS-co-DVB/ PS-co-DVB support. Experiments were performed as described in Section 2.2.10.

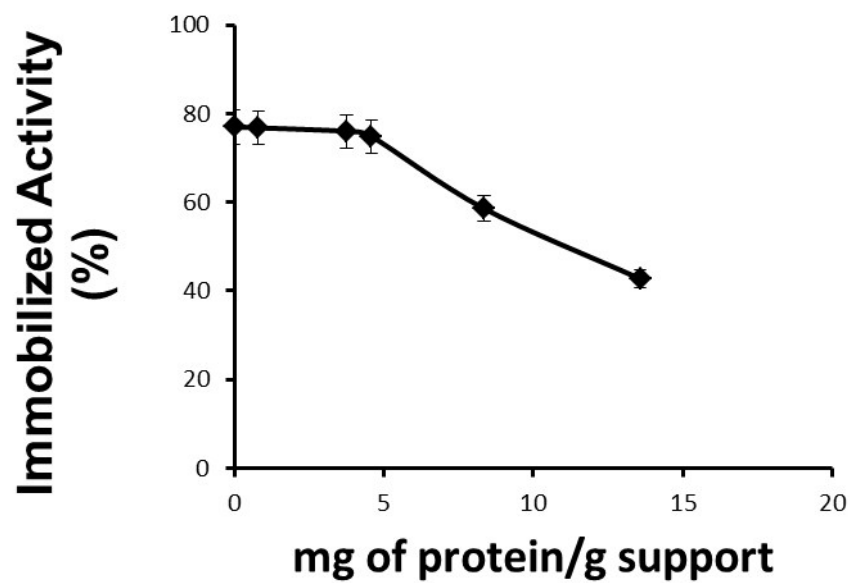


Figure 7S. Loading Capacity of CALB lipase on PMMA-co-DVB/PMMA-co-DVB support. Experiments were performed as described in Section 2.2.10.

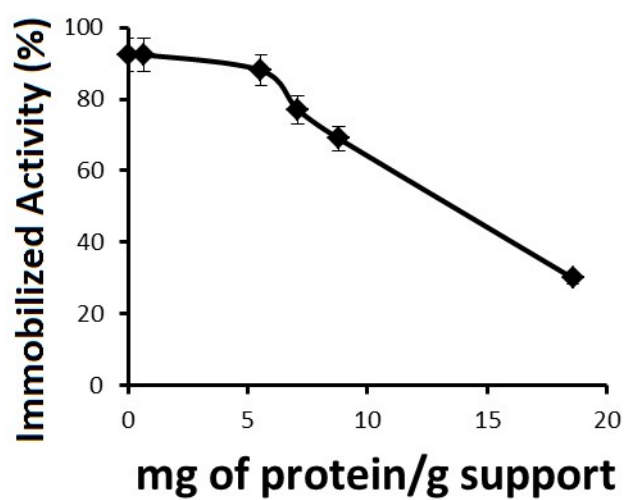


Figure 8S. Loading Capacity of CALB lipase on PMMA/PMMA support. Experiments were performed as described in Section 2.2.10.