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Spec Sheet

Monoclonal Antibody Development – Phase 1

Immunization and Screening: 4 Balb/c female mice are immunized with the client antigen and boosted 2 times (day 14 and day 28) according to the standard immunization protocol. Tail bleeds are screened for immune response by ELISA (see results below) and confirmed by western protocol.

Catalog Number: MMAAb-1001
Lot Number: 10-101

Antigen: Peptide ABC

Results:

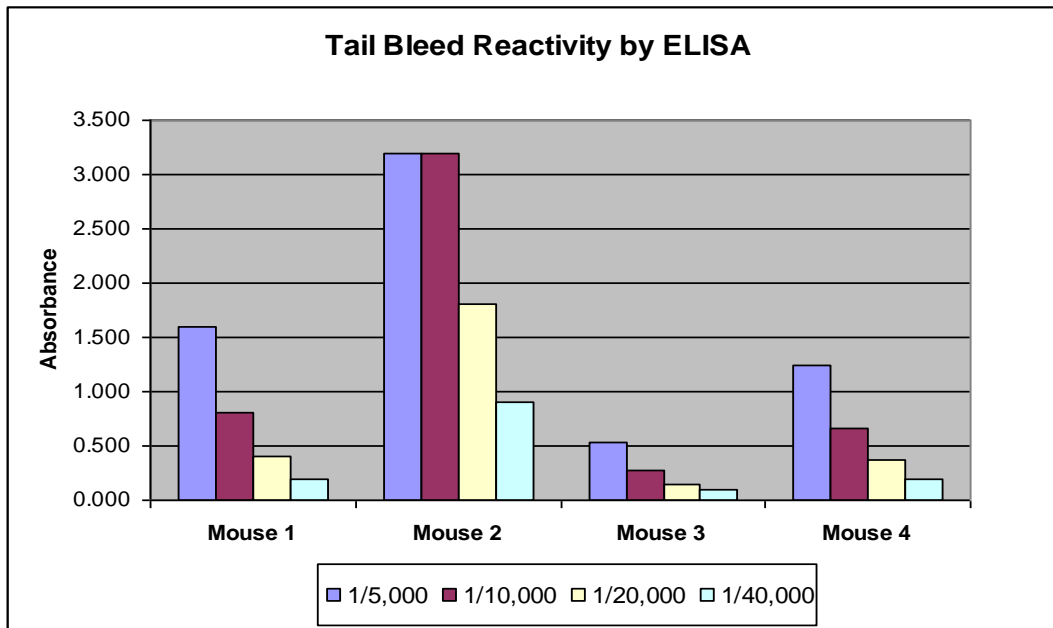
Animal	Antibody Titer ¹
Mouse 1	62497
Mouse 2	2150
Mouse 3	64842
Mouse 4	49173

¹ expressed as inverse dilution where the ELISA well absorbance is exactly 0.500

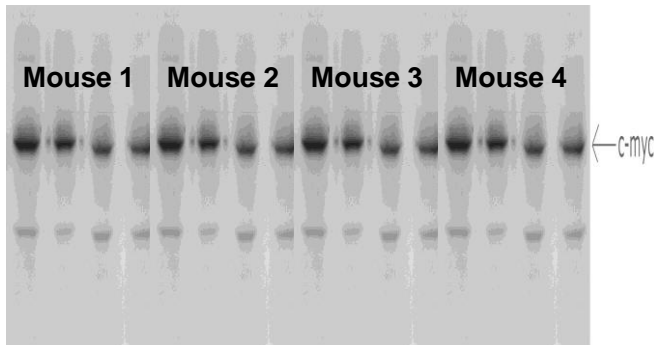
Experimental Data:

ELISA screening

Dilution	Pre Immune serum				Antiserum			
	1/5000	1/10000	1/20000	1/40000	1/5000	1/10000	1/20000	1/40000
Mouse 1	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Mouse 2	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Mouse 3	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
Mouse 4	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx



Western Blotting



Conclusion :

Based on the ELISA and Western blot results mouse 3 was chosen for producing the best antibody titer and used in the fusion protocol to produce the desired hybridomas.