

Table S1. ELISA binding of sera Abs against wild-type and mutant MPER.03 peptide

PTID	visit 2 (baseline) - M0			visit 3 (post 1st) - M0.5			visit 5 (post 2nd) - M2.5			visit 7 (post 3rd) - M6.5			visit 8 (M9)			visit 9 (M12)		
	WT	D664AW672A	Ratio	WT	D664AW672A	Ratio	WT	D664AW672A	Ratio	WT	D664AW672A	Ratio	WT	D664AW672A	Ratio	WT	D664AW672A	Ratio
133-23	0	0	0	0	0	0.00	6.97	3.16	2.2	6.604	3.408	1.9				3.358	0.793	4.2
133-35	0	0	0	0	0	0.00	1.25	0.02	54.3	2.591	0.282	9.2	0.474	0.119	und	0.131	0	und
133-04	0	0	0	0	0	0.00	2.87	0.24	12.0									
133-33	0	0	0	0	0	0.00	3.29	0.39	8.5	2.921	0.406	7.2				0.218	0	und
133-18	0	0	0	0	0	0.00	1.80	0.25	7.3				0.143	0.025	und			
133-20	0	0	0	0	0	0.00	0.24	0.00	und				0	0	0.0			
133-07	0	0	0	0	0	0.00	1.48	0.20	7.4	0.144	0	und	0	0.116	und			
133-30	0	0	0	0	0	0.00	4.18	1.52	2.7							2.702	0.714	3.8
133-12	0	0	0	0	0	0.00	5.22	2.97	1.8				0.193	0	und			
133-13	0	0	0	0	0	0.00	1.67	0.26	6.4				0.123	0	und			
133-29	0	0	0	0.015	0.005	und	3.64	0.81	4.5				0.195	0.05	und			
133-21	0	0	0	0	0	0.00	1.92	0.49	3.9				0.141	0.104	und			
133-24	0	0	0	0	0	0.00	3.91	0.51	7.7				0.65	0.027	und			
133-27	0	0	0	0	0	0.00	0.85	0.12	7.1				0	0	0.0			
133-39	0	0	0	0	0	0.00	0.24	0.00	und	4.307	2.123	2.03						
133-37	0	0	0	0	0	0.00	3.84	0.22	17.6				0.047	0	und			
133-03	0	0	0	0	0	0.00	4.36	0.74	5.9				0.185	0.033	und			
133-06	0	0	0	0	0.042	0.00	2.30	0.49	4.7				0	0	0.0			
133-25	0	0	0	0	0	0.00	4.86	1.28	3.8				0.233	0	und			
133-31	0	0	0	0	0	0.00	1.70	0.14	12.3									

Binding values are reported as Log AUC.

Values at baseline are used for subtraction of post-vaccination timepoints.

Differential binding Abs (yellow fill) bind MPER.03 ≥ 2.5 fold better than MPER.03_D664A_W672A mutant.

Und (undetermined); MPER binding Log AUC values < 1.0 , therefore calculation of differential binding is unreliable.

Blnak well - no sample available for testing

Not shown: placebo recipients had low level to no binding to both MPER peptides and PEG (Log AUC < 1.0) - 133-17, 133-32, 133-01 and 133-02.