

**Table S2** Detection of the six A27 antigenic sites by the corresponding anti-OPXV-mAbs *via* SPOTs-membrane and OPXV peptide microarray chip.

Epitope	Epitope sequences determined on SPOTs-membrane:		Epitope sequence determined on OPXV peptide microarray:	
	AA position	AA composition	AA position	AA composition
1A	32-39	<u>REAI</u> VKAD	31-39	K <u>REAI</u> VKAD
1B	28-33	<u>PEAKRE</u>	28-33	<u>PEAKRE</u>
1C	26-31	KK <u>PEAK</u>	28-33	<u>PEAKRE</u>
1D	28-34	<u>PEAK</u> REA	28-33	<u>PEAKRE</u>
4	9-14	<u>DDDLAI</u>	7-18	PG <u>DDDLAI</u> PATE
5	68-71	IEKC	-	Not detected

The matches within the epitope sequence are highlighted and underlined.