

PepPool: Vaccinia (CD4), human

Product code:	3635-1
Contents:	The peptide pool contains 56 defined peptides from 34 vaccinia virus proteins. The peptides are MHC-II restricted. The mean purity of the synthetic peptides is 73%.
Applications:	<p>This peptide pool stimulates human CD4 T cells to secrete IFN-γ and is recommended for use in ELISpot and FluoroSpot assays for enumeration of antigen-specific T cells.</p> <p>Of the included peptides, 91% share >90% homology with monkeypox virus. Peptide pool homology to monkeypox virus is listed on the other side of this page.</p>
Instructions:	<p>Sterile handling is recommended. Dissolve the lyophilized peptide pool by addition of 40 μl DMSO. Then add 85 μl PBS, mix and store in aliquots at -20°C or below. This stock solution will have a concentration of 200 μg/ml of each peptide.</p> <p>Dilute the stock solution 1:100 in cell culture medium to obtain 2 μg/ml of each peptide in the cell culture. Use the peptide pool in ELISpot and FluoroSpot assay for stimulation of 250,000-500,000 PBMCs per well. Use the diluted peptide solution fresh.</p>
Storage:	Shipped at ambient temperature. Store frozen at -20°C or below upon receipt. After reconstitution, store aliquotes at -20°C or below. We recommend the aliquots not be refrozen after initial use.
Quantity:	One vial with 25 μ g of each peptide.

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Peptide pool homology to monkeypox virus

<u>No. of peptides</u>	<u>% homology</u>
42	100
9	92-95
3	71-87
2	0