

PepPool: EBV (CD4 and CD8), human

Product code: 3641-1

Contents: The EBV defined peptide pool contains 100 peptides derived from 22 of the latent and lytic EBV proteins. Of the peptides, 66 are MHC class I restricted, and 34 are MHC class II restricted. The mean purity of the synthetic peptides is 90%.

Applications: The EBV defined peptide pool stimulates T cells to produce e.g., IFN- γ and IL-2, and can be used in ELISpot and FluoroSpot assays for enumeration of peptide specific T cells. The peptide pool can also be used in Flow cytometry.

HLA types covered by the peptide pool: HLA-A*01, HLA-A*02, HLA-A*03, HLA-A*11, HLA-A*24, HLA-A*25, HLA-A*26, HLA-A*68, HLA-B*07, HLA-B*08, HLA-B*15, HLA-B*18, HLA-B*23, HLA-B*25, HLA-B*26, HLA-B*27, HLA-B*35, HLA-B*38, HLA-B*40, HLA-B*44, HLA-B*55, HLA-B*57, HLA-B*58, HLA-DRB1*01, HLA-DRB1*03, HLA-DRB1*04, HLA-DRB1*07, HLA-DRB1*08, HLA-DRB1*11, HLA-DRB1*13, HLA-DRB1*15, HLA-DRB1*16, HLA-DRB3*01, HLA-DRB3*02, HLA-DRB4*01, HLA-DRB5*01, HLA-DPB1*104, HLA-DPB1*04, HLA-DPB4*01, HLA-DQB1*06, HLA-DQB1*07

Instructions: Sterile handling is recommended. Dissolve the lyophilized peptide pool by addition of 40 μ l DMSO to the vial. Then add 85 μ l PBS, mix and aliquote and store at -20°C or below. This stock solution will have a concentration of 200 μ g/ml of each peptide.

Dilute the stock solution 1:100 in cell culture medium to obtain 2 μ g/ml of each peptide in the cell culture. Use the peptide pool in ELISpot and FluoroSpot assay for stimulation of 250,000 cells per well. Use the diluted peptide solution fresh.

Storage: Shipped at ambient temperature. Store frozen at -20°C or below upon receipt. The peptide solution may be stored for one month at 4-8°C without effects on stability. We recommend the aliquots not be refrozen after initial use.

Quantity: One vial with 25 μ g of each peptide.

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Note; for research use only.
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