

PepPool: CEFTA (CD4), human

Product code: 3617-1

Contents: The 35 peptides in the pool are MHC class II restricted T-cell epitopes from human Cytomegalovirus, Epstein Barr virus, Influenza virus, Tetanus toxin, and Adenovirus 5 (CEFTA) designed to stimulate T cells with a broad array of HLA types. The synthetic peptides are >95% pure.

Applications: The CEFTA peptide pool stimulates CD4+ T cells to produce e.g., IFN- γ , IL-2, IL-5 and IL-13 and is recommended as a positive control in ELISpot and FluoroSpot assays using human PBMC. The peptide pool can also be used in Flow cytometry.

Published HLA types covered by the CEFTA peptide pool: 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-DRB1*53, HLA-DPw2, HLA-DPB1*04, HLA-DQw1, HLA-DQw3, HLA-DQB1*06

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. For use in Flow cytometry, stimulate the cells over night with 2 μ g/ml peptide pool in the presence of Brefeldin A. Use the diluted peptide solution fresh.

Storage: Shipped at ambient temperature. Store frozen at -20°C or below upon receipt. After reconstitution, store aliquotes at -20°C or below. 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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