

PepPool: DENV (CD4), human

Product code: 3698-1

Contents: The PepPool: DENV (CD4), human contains 90 defined synthetic peptides derived from the Dengue virus. Antigens represented in the peptide pool are the capsid protein (C), precursor membrane protein (prM), envelope protein (E), and the non structural (NS) proteins NS1, NS2a, NS2b, NS3, NS4a, NS4b, and NS5. The peptide pool has been designed to have a good coverage of Dengue virus serotypes 1, 2, 3, and 4, and to stimulate T cells with a broad array of HLA class II types. Number of peptides represented from the different Dengue virus proteins and HLA class II coverage are shown on the other side of this page. The mean purity of the synthetic peptides is 76%.

Applications: ELISpot and FluoroSpot

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

Dilute the stock solution in cell culture medium to obtain a final assay dilution of 1:100, i.e. 2 µg/ml of each peptide in the cell culture. Use the peptide pool in ELISpot and FluoroSpot assay for stimulation of e.g. 250,000-500,000 cells/well. 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. We recommend the aliquots not be refrozen after initial use.

Quantity: One vial with 25 µg of each peptide.

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Note; for research use only.
Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damages therefrom.

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Developed and manufactured by MABTECH AB, Sweden, whose quality management system complies with the standards ISO 9001:2015 & ISO 13485:2016.

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Dengue virus proteins represented in the peptide pool

DENV protein	No. peptides
C	37
M	2
E	11
NS1	3
NS2A	3
NS2B	4
NS3	25
NS4A	1
NS4B	2
NS5	2

HLA class II coverage

HLA class II
DRB1
DRB5
DRB3
DRB4
DQA1
DQB1
DPB1