ImmuneSelect Peptide Pools
2024 Catalogue

Peptide Pools can be used to replace antigen stimulation in adaptive immunity studies, providing increased stability, less variation and enhanced reproducibility compared to antigens.

Item	Catalog Number	Description
Avian Flu (H5N1)	1015-07	Contains 50 peptides from Influenza A virus subtype H5N1 (A/H5N1). Peptide sequences are T-cell MHC-I and MHC-II epitopes.
Epstein-Barr Virus (EBV)	1037-07	Contains 44 peptides from Epstein Barr virus, MHC class−I & II. Peptide sequences as T-cell epitopes are collected from the Glycoprotein, EBNA-3A and 3B, membrane protein, BARF1 protein, LMP1 protein and others.
Human Herpesvirus 6 (HHV-6)	1029-07	Contains 42 peptides from Human herpesvirus 6, MHC class−I & II epitopes. Peptide sequences are collected from betaherpesvirus 6A (HHV-6A) and human betaherpesvirus 6B (HHV-6B).
Human Cytomegalovirus (CMV)	1012-07	Contains 37 peptides that cover epitopes of CMV (or Human herpesvirus 5) pp65, IE1 and UL123 proteins.
Lyme Disease	1074-07	Contains 41 peptides that cover epitopes of Borreliella burgdorferi (Lyme Disease Borrelia). Peptide sequences are collected from the Outer surface protein A, histidine kinase, Borrelia P83/P100 antigens.
Respiratory Syncytial Virus (RSV)	1053-07	Contains 42 peptides that include MHC-I and MHC-II epitopes from Human respiratory syncytial virus A2 and Human orthopneumovirus. Peptide sequences are collected from the nucleoprotein, fusion glycoprotein, matrix protein, non-structural protein 1 & RNA polymerase.
SARS-Cov-2	1081-07	Contains 100 peptides that cover the immunodominant sequences of SARS-CoV-2 structural and non-structural proteins, including both MHC-I and MHC-II epitopes.

For all Peptide Pools: Each vial contains 7 nmol/peptide (approx. 11.6 ug), for the stimulation of up to 1.10^8 cells. The purity of each individual peptide within a pool is ≥95% (HPLC).

Custom peptide pools, selected epitopes and complete proteins sequences are also available. Please contact us to discuss your specific requirements.