Epstein-Barr virus (EBV) ImmuneSelect Peptide Pool

Product Description

**Description**

The EBV peptide pool contains 44 peptides (8-21mer) from Human herpesvirus 4 (Epstein Barr virus), derived from the following proteins:

- BARF1 protein

- BZLF1

- DNA polymerase

- EBNA-1

- EBNA-2

- EBNA-3A

- EBNA-3B

- Epstein-Barr nuclear antigen 1

- Epstein-Barr nuclear antigen 6

- Glycoprotein GP110 precursor

- Large tegument protein deneddylase

- Latent membrane protein 1

- Latent membrane protein 2

- LMP1 protein

- Membrane protein

- Putative membrane antigen p140

- Transcription activator BRLF1

The peptide sequences are a mixture of MHC class–I & MHC class–II epitopes.  The purity of each peptide is ≥95% (HPLC-MS).

**Application**

The in-vitro stimulation of Peripheral Blood Mononuclear Cells (PBMCs) with EBV ImmuneSelect Peptide Pool activates memory T cells specific to the virus, leading to cytokine secretion and the increased expression of specific surface markers.

**Specifications**

| | |
|---|---|
| ImmuneSelect Product | Epstein-Barr virus (EBV) ImmuneSelect Peptide Pool |
| Amount | 7 nmol/peptide (approx. 11.6 ug), for the stimulation of up to $1.10^8$ cells |
| Purity | ≥90% (HPLC-MS) |
| Presentation | Freeze-dried in a glass vial |
| Shipping and Storage | Store at -20 °C or below |