

HBV (HLA Class I Control) Peptide Pool

Hepatitis B virus (HBV) control peptide pool for immune cell activation

Catalog #100-0673

~25 µg/peptide



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Product Description

HBV (HLA Class I Control) Peptide Pool is a lyophilized mixture of 9 peptides from the hepatitis B virus (HBV). The pool consists of defined HLA class I-restricted T cell epitopes, and can be used as an antigen-specific positive control to stimulate T cells.

Product Information

Number of Peptides:	9
Source:	Hepatitis B virus
Purity:	≥ 95%
Formulation:	Lyophilized as trifluoroacetate salts

Preparation and Storage

Storage:	Store at -20°C.
Stability:	Stable as supplied until expiry date (EXP) on label.
Preparation:	Warm to room temperature (15 - 25°C) before reconstitution. Add pure dimethyl sulfoxide (DMSO; ~40 µL) and dilute with water to the desired concentration. Final concentration of DMSO must be below 1% (v/v) to avoid toxicity in the biological system. If not used immediately, aliquot and store at -20°C. Protect from light. After thawing aliquots, do not re-freeze.

Peptide Sequences

NO.	SEQUENCE	LENGTH	C-TERMINUS	SOURCE	
1	FLLSLGIHL	9	-COOH	HBV polymerase 575-583	HLA-A*02:01
2	FLLTRILTI	9	-COOH	HBV envelope 183-191	HLA-A*02:01
3	FLPSDFFPSI	10	-COOH	HBV core 18-27 (subtype ADR4)	HLA-A*02:01
4	FLPSDFFPSV	10	-COOH	HBV core 18-27	HLA-A*02:01
5	GLSPTVWLSV	10	-COOH	HBV envelope 348-357	HLA-A*02:01
6	WLSLLVPFV	9	-COOH	HBV envelope 335-343	HLA-A*02:01
7	YVNVNMGLK	9	-COOH	HBV core antigen 88-96	HLA-A*11:01
8	EYLVSGVW	9	-COOH	HBV core 117-125	HLA-A*24:02
9	KYTSFPWLL	9	-COOH	HBV polymerase 756-764	HLA-A*24:02

Related Products

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