

Avian Flu (H5N1) ImmuneSelect Peptide Pool

Product Description

Description

The Avian Flu peptide pool contains 52 peptides from Influenza A virus subtype H5N1 (A/H5N1), derived from the following proteins:

- Hemagglutinin
- Neuraminidase
- Nucleocapsid protein
- Nucleoprotein NP
- Matrix protein 0
- Matrix protein 1
- Polymerase PA
- Polymerase PB1

The peptide sequences are a mixture of MHC-I and MHC-II epitopes, and the minimum purity of each peptide is $\geq 90\%$ (average $\geq 95\%$) as determined by HPLC-MS.

Application

The in-vitro stimulation of Peripheral Blood Mononuclear Cells (PBMCs) with Avian Flu (H5N1) 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 A/H5N1 ImmuneSelect Peptide Pool

Amount 7 nmol/peptide (approx. 11.6 ug), for the stimulation of up to 1.10^8 cells

Purity $\geq 90\%$ (HPLC-MS)

Presentation Freeze-dried in a glass vial

Shipping and Storage Store at $-20\text{ }^{\circ}\text{C}$ or below