

## SARS-Cov-2 ImmuneSelect Peptide Pool

### Product Description

#### Description

SARS-CoV-2 ImmuneSelect Peptide Pool is composed of 100 peptides that cover the immunodominant sequences of SARS-CoV-2 structural and non-structural proteins, and are derived from the following proteins:

- Nucleocapsid
- Membrane protein
- ORF1ab
- ORF3a
- Spike glycoprotein
- Spike protein

The peptides include both MHC-I and MHC-II epitopes and the purity of each peptide is  $\geq 95\%$  (HPLC-MS).

#### Application

The in-vitro stimulation of Peripheral Blood Mononuclear Cells (PBMCs) with SARS-CoV-2 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 SARS-Cov-2 ImmuneSelect Peptide Pool

Amount	7 nmol/peptide (approx. 11.6 ug), for the stimulation of up to $1.10^8$ cells
Purity	$\geq 95\%$ (HPLC-MS)
Presentation	Freeze-dried in a glass vial
Shipping and Storage	Store at $-20\text{ }^{\circ}\text{C}$ or below