

## Lyme Disease ImmuneSelect Peptide Pool

### Product Description

#### Description

Lyme Disease ImmuneSelect is a peptide pool composed of 41 peptides that cover MHC-II restricted epitopes of *Borrelia burgdorferi* (Lyme Disease *Borrelia*). Peptide sequences are derived from:

- *Borrelia* P83/P100 antigen
- Histidine kinase
- Immunogenic protein P37
- Outer surface protein A
- Outer surface protein C

The purity of each peptide is  $\geq 95\%$  (HPLC-MS).

#### Application

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

#### Specifications

ImmuneSelect Product Lyme Disease ImmuneSelect Peptide Pool

Amount 7 nmol/peptide (approx. 11.6  $\mu\text{g}$ ), 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