

Your RepliTope™ for Infectious Diseases Antigens

> RepliTope™ are peptide microarrays displaying overlapping peptide scans through antigens or whole pathogen genomes

Adenovirus

- HadV-5 (penton protein)
- HadV-3 (penton protein)

Bacillus anthracis

- Cryptic protein, Protective antigen
- Small acid-soluble protein (gamma type)

BKV

- Capsid proteins (VP1, VP2, VP3)
- Large T antigen and small T antigen

B. pertussis

RepliTope™ Antigen Collection combining several proteins

C. pneumoniae

RepliTope™ Antigen Collection combining several proteins

Dengue virus

- Capsid protein, Membrane glycoprotein
- Envelope protein and
- Nonstructural protein 1 and 3

RepliTope™ Antigen Collection combining several proteins

EBV

- BMLF1, BMRF1, BRLF1, BZLF1
- EBNA (1, 2, 3a, 3b, 3c and LP)
- LMP1 and LMP2
- gp340

RepliTope™ Antigen Collection

HCMVA

RepliTope™ Antigen Collection displaying the whole proteome

- IE-1, IE-2, pp65
- UL153, UL32, UL40, UL86, UL99

HIV-1

- env (gp120 protein + signal peptide)
- env (gp41)

Influenza A

- HA /Brisbane (H1N1)
- HA /California (H1N1)
- MP1 (H3N2)
- MP1 /California (H1N1)
- MP2 /California (H1N1)
- Neuroamidase /California (H1N1)
- NP (H3N2)

RepliTope™ Antigen Collection combining several proteins

M. tuberculosis

RepliTope™ Antigen Collection displaying the whole proteome

Random peptide library

RepliTope™ Antigen Collection displaying 55000 random peptides to choose from

RSV

- Protein F
- Nucleocapsid protein N

SARS CoV

- Protein S, E, M, and N
- RepliTope™ Antigen Collection*

Vaccinia

RepliTope™ Antigen Collection combining several proteins

RepliTope™ Antigen Collections

- BKV
- B. pertussis
- C. pneumoniae
- Dengue virus
- EBV
- HCMVA (whole proteome)
- Influenza
- M. tuberculosis (whole proteome)
- Random Peptide Library
- SARS
- Vaccinia

"Humoral Reactome Profiles Using Peptide Microarray Chips", Valentini et al., Trends Immunol. (2010);

"Mapping Mouse IL-13 Binding Regions using Structure Modeling, Molecular Docking, and High-Density Microarray Analysis", Madala et al., Proteins (2010);

"Long-Lived Plasma Cells and Memory B Cells produce Pathogenic Anti-GAD65 Autoantibodies in Stiff Person Syndrome", Rizi et al., PLoS ONE (2010);

"Validation of peptide epitope microarray experiments and extraction of quality data"; Nathman et al., J. Immunol Methods (2007)

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