



CERI-MHC Class I Control Peptide Pool

Catalog #: CTL-CERI-300

Lot: _____

Product: CERI-MHC Class I Control Peptide Pool (20x solution, 0.3 ml)

Formulation: Each vial consists of 124 class I restricted epitopes from Cytomegalovirus (30 peptides), Epstein barr Virus (59 peptides), Human Respiratory Syncytial Virus (11 peptides), and Influenza A Virus (24 peptides)

Lot specific QC: Available on request

Recommended

usage: The CERI Peptide Pool is recommended as the positive control for detecting antigen-specific cells in human PBMC; for example, when performing cytokine assays for immune monitoring purposes. Assays include IFN- γ measurements by ELISPOT and intracytoplasmic cytokine staining (ICS) for accurate frequency measurements of the cytokine-producing CD8 cells; or cytokine bead arrays (CBA) and ELISA for a semi-quantitative readout.

Storage: Store at -20°C to -80°C. The 20x solution is stable at 2°C to 8°C for one week.

Activity: The CERI Peptide Pool is designed to stimulate antigen-specific CD8 cells to elicit a recall response from memory cells. Almost all humans have been previously exposed to one or all of the four antigens included and therefore, they elicit a recall response from a majority of individuals making this solution an ideal positive control.

Working solution: Stock solution use at 1:20 dilution. Vortex before use.

Sterility: Sterile

QC: Each batch is tested for optimum performance in an IFN- γ ELISPOT assay incorporating the ImmunoSpot® Platform.

Warning: **For laboratory research use only. Not for use in diagnostic or therapeutic procedure**