

Data sheet ICE Peptide Pool

Peptide pool of 32 HLA class I restricted T cell epitopes of human Influenza A virus, Cytomegalovirus and Epstein-Barr virus.

Cat. No. CT387

Specificity Intended for use as an antigen-specific positive control in for example the human IFN- γ , IL-2 and G-CSF ELISPOT assay. The peptide pool consists of 32 peptides, each corresponding to 13 HLA class I restricted CD8⁺ T cells epitopes from human Influenza A virus (Flu), Cytomegalovirus (CMV) and Epstein-Barr virus (EBV). (Reference: Currier, J.R. *et al.* 2002. J. Immunol. Methods 260: 157-172)

Application Reconstitute the lyophilized content by injecting 250 μ l of sterile distilled water into the vial. Mix the solution gently for approximately 15 seconds and allow it to stand for 2 minutes at room temperature. Avoid vigorous shaking.

Working concentration: 40x in culture medium containing human PBMC
Recommended peptide concentration: 0.5 μ g peptide/ml culture medium
Recommended cell concentration: 2x10⁵ human PBMC/well
Recommended culture volume in ELISPOT plate: 100 μ l/well

Contents Lyophilized ICE peptide pool: 32 x 5 μ g peptide/vial
Buffer prior to lyophilization: 0.25 ml PBS + 125 mM trehalose.
Preservative free

Contained peptides VSDGGPNLY (Influenza A, HLA-A1), CTELKLSY (Influenza A, HLA-A1), GILGFVFTL (Influenza A, HLA-A2), FMYSDHFH (Influenza A, HLA-A2), CLGGLTMV (EBV, HLA-A2), GLCTLVAML (EBV, HLA-A2), NLVPMVATV (CMV, HLA-A2), KTGGPYKR (Influenza A, HLA-A68), RVLSFIKGTK (Influenza A, HLA-A3), ILRGSVAHK (Influenza A, HLA-A3), RVRAYTYSK (EBV, HLA-A3), RLRAEAQVK (EBV, HLA-A3), SIIPSGPLK (Influenza A, HLA-A3/A11/A6), AVFDRKSDAK (EBV, HLA-A11), IVTDFSVIK (EBV, HLA-A11), ATIGTAMYK (EBV, HLA-A11), DYC NVLNKEF (EBV, HLA-A24), LPFDKTTVM (Influenza A, HLA-B7), RPPIFIRRL (EBV, HLA-B7), ELRSRYWAI (Influenza A, HLA-B8), RAKFKQLL (EBV, HLA-B8), FLRGRAYGL (EBV, HLA-B8), QAKWRLQTL (EBV, HLA-B8), SDEEEAIVAYTL (CMV, HLA-B18), SRYWAI RTR (Influenza A, HLA-B27), ASCMGLIY (Influenza A, HLA-B27), RRIYDLIEL (EBV, HLA-B27), YPLHEQHGM (EBV, HLA-B35), IPSINVHHY (CMV, HLA-B35), EENLLDFVRF (EBV, HLA-B44), EFFWDANDIY (CMV, HLA-B44), TPRVTGGGAM (CMV, HLA-B7).

Sterility Membrane filtered (0.2 μ m)

Packaging 5 ml brown glass bottle

Storage The lyophilized peptide pool can be safely stored at 4 °C for a specified period of time (expiry date printed on vial). After reconstitution, it is strongly recommended to divide the reconstituted peptides into small aliquots for single use. These aliquots should be stored at \leq -20 °C. Under these conditions the peptides are stable for at least two years.

General Clear powder (barely visible). After reconstitution: a clear solution. Do not use if the solution is or has become turbid.

Safety The product is not classified as hazardous according to Regulation (EC) no. 1272/2008.

Consult the safety data sheet (SDS) for further information regarding hazards and safe handling. The SDS can be found on our website www.ucytech.com.

