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Influenza Virus M1 peptide

Product information

Catalog no. 1003
Concentration: 1 mg/mL in dimethyl sulfoxide
Quantity: 0.5 mg

Description:

M1 peptide is a synthetic peptide represents residues 58-66 of the influenza A matrix protein. In HLA-A*0201 subjects the CD8+ CTL response is dominated by cells expressing V β 17 and responding to this peptide.

Structure: The sequence of the peptide is GILGFVFTL

Storage: Store frozen at \leq minus 20°C

Activity:

The optimum concentration depends on the specific use of the peptide. To stimulate PBMC, concentrations of 1-10 ug/mL are appropriate. Specific T cell clones and lines respond well to much lower concentrations.

References

Moss PA, Moots RJ, Rosenberg WM, et al. (1991) Extensive conservation of alpha and beta chains of the human T-cell antigen receptor recognizing HLA-A2 and influenza A matrix peptide. *Proc. Natl Acad. Sci.* 88:8987.

Lehner PJ, Wang EC, Moss PA, et al. (1995) Human HLA-A0201-restricted cytotoxic T lymphocyte recognition of influenza is dominated by T cells bearing the V beta 17 gene segment. *J Exp Med.* 181:79