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## Influenza Virus M1 peptide Lot. 4184FE19

### 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 $\beta$ 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  $\mu$ g/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