

## Hemagglutinin (48-68)

Cat. No.:	HY-P3747
CAS No.:	115721-95-4
Molecular Formula:	C <sub>97</sub> H <sub>163</sub> N <sub>29</sub> O <sub>32</sub> S <sub>2</sub>
Molecular Weight:	2311.64
Sequence Shortening:	TGKICNNPHRILDGIDCTLID
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Hemagglutinin (48-68) is the 48-68 fragment of influenza virus hemagglutinin. Hemagglutinin (48-68) can induce proliferation of the peptide specific T-cell clones <sup>[1]</sup> .
<b>In Vitro</b>	Hemagglutinin is the receptor-binding and membrane fusion glycoproteins of influenza viruses. Hemagglutinin mediates binding of the virus particle to the host-cell membrane and catalyzes fusion of the viral membrane with that of the host <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Mills KH. Inhibitory effects of monoclonal antibodies to a synthetic peptide of influenza haemagglutinin on the processing and presentation of viral antigens to class II-restricted T-cell clones. *Immunology*. 1988 Nov;65(3):365-71.

[2]. Boonstra S, et, al. Hemagglutinin-Mediated Membrane Fusion: A Biophysical Perspective. *Annu Rev Biophys*. 2018 May 20;47:153-173.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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