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Hemagglutinin (48-68) / Influenza virus

Synthetic Peptide
Catalog # SP3182a

Specification

Hemagglutinin (48-68) / Influenza virus - Product Information

Primary Accession	P04663
Other Accession	P03439, P03436, Q91MA7, P03437, P03449
Sequence	**NH2-TGKICNNPHRILDGIDCTLID-COOH**

Hemagglutinin (48-68) / Influenza virus - Additional Information

Other Names
Hemagglutinin, Hemagglutinin HA1 chain, HA

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Hemagglutinin (48-68) / Influenza virus - Protein Information

Name HA

Function
Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore.

Cellular Location
Virion membrane; Single-pass type I membrane protein. Host apical cell membrane; Single-pass type I membrane protein. Note=Targeted to the apical plasma membrane in epithelial polarized cells through a signal present in the transmembrane domain. Associated with glycosphingolipid- and cholesterol-enriched detergent-resistant lipid rafts

Hemagglutinin (48-68) / Influenza virus - Images