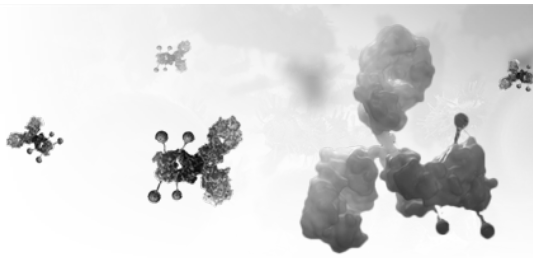

# Mouse Anti-Influenza A H1N1 Hemagglutinin Monoclonal Antibody, clone 16 (CABT-L907M)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Immunogen** | Recombinant Influenza A H1N1 (A/Puerto Rico/8/1934) Hemagglutinin / HA Protein |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | IAV H1N1 |
| **Clone** | 16 |
| **Purification** | Protein A purified |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA(Cap)<br>We recommend the following antibodies for sandwich ELISA(Capture - Detection):<br>CABT-L907M - DMAB8905 |
| **Format** | Liquid |
| **Concentration** | Lot specific |
| **Size** | 100 µl |
| **Buffer** | PBS |
| **Preservative** | None |
| **Storage** | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

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| | |
|---|---|
| **Ship** | Wet ice |

# BACKGROUND

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|---|---|
| **Introduction** | The influenza viral Hemagglutinin (HA) protein is a homotrimer with a receptor binding pocket on the globular head of each monomer.HA has at least 18 different antigens. These subtypes are named H1 through H18.HA has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding to these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of the host endosomal membrane with the viral membrane. The influenza virus Hemagglutinin (HA) protein is translated in cells as a single protein, HA, or hemagglutinin precursor protein. For viral activation, hemagglutinin precursor protein (HA) must be cleaved by a trypsin-like serine endoprotease at a specific site, normally coded for by a single basic amino acid (usually arginine) between the HA1 and HA2 domains of the protein. After cleavage, the two disulfide-bonded protein domains produce the mature form of the protein subunits as a prerequisite for the conformational change necessary for fusion and hence viral infectivity. |
| **Keywords** | Influenzavirus A;Influenza A virus;Influenza A virus H1N1;H1N1;IAV H1N1;IAV |

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