

Anti-Influenza B (B/Florida/04/06) Hemagglutinin/HA Antibody (5D484)

Product Details

Ig Type:	Rabbit IgG
Conjugation:	Unconjugated
Clone:	5D484
Purification:	Protein A

Applications

- Anti-HA rabbit monoclonal antibody at 1:10000 dilution.
 - Sample: Recombinant Protein 10 ng
 - Lane 1: Influenza B (B/Florida/4/2006) HA
 - Lane 2: Influenza B (B/Brisbane/60/2008) HA
 - Lane 3: Influenza B (B/Colorado/06/2017) HA
 - Lane 4: Influenza B (B/PHUKET/3073/2013) HA
 - Lane 5: Influenza B (B/Washington/02/2019) HA
 - Lane 6: H1N1 (A/Brisbane/02/2018) HA
 - Lane 7: H1N1 (A/California/04/2009) HA
 - Lane 8: H1N1 (A/California/07/2009) HA
 - Lane 9: H1N1 (A/Guangdong-Maonan/SWL1536/2019) HA
 - Lane 10: H1N1 (A/Michigan/45/2015) HA
 - Lane 11: H1N1 (A/Puerto Rico/8/1934) HA
 - Lane 12: H1N1 (A/Victoria/4897/2022) HA Protein
 - Lane 13: H1N1 (A/Victoria/4897/2022) HA Trimer Protein
 - Lane 14: H1N1 (A/Wisconsin/588/2019) / (A/Victoria/2570/2019) HA
 - Lane 15: H1N1 (A/Wisconsin/67/2022) HA Protein
 - Lane 16: H1N1 (A/Wisconsin/67/2022) HA Trimer Protein
 - Lane 17: H3N2 (A/Brisbane/10/2007) HA
 - Lane 18: H3N2 (A/Cambodia/e0826360/2020) HA
 - Lane 19: H3N2 (A/Darwin/6/2021) HA Protein
 - Lane 20: H3N2 (A/Hong Kong/1/1968) HA Protein
 - Lane 21: H3N2 (A/Hong Kong/45/2019) HA
 - Lane 22: H3N2 (A/Hong Kong/4801/2014) HA
 - Lane 23: H3N2 (A/Kansas/14/2017) HA
 - Lane 24: H3N2 (A/Singapore/INFIMH-16-0019/2016) HA
 - Lane 25: H3N2 (A/Switzerland/9715293/2013) HA
 - Lane 26: H3N2 (A/Hong Kong/2671/2019) HA
 - Lane 27: H5N1 (A/Indonesia/5/2005) HA Protein
 - Secondary
 - Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
 - Developed using the ECL technique.
 - Performed under reducing conditions.
- Anti-HA rabbit monoclonal antibody at 1:1000 dilution.
 - Sample: Recombinant Protein 10 ng
 - Lane A: H3N2 (A/Darwin/9/2021) HA Protein
 - Lane B: H3N2 (A/Darwin/9/2021) HA Protein
 - Lane C: H3N2 (A/Darwin/6/2021) HA Protein

Verified Activity:

A DRUG SCREENING EXPERT

- Lane D: Influenza B (B/Austria/1359417/2021)(Victoria lineage) HA Protein
- Lane E: Influenza B (B/Austria/1359417/2021)(Victoria lineage) HA Protein
- Secondary
- Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution
- Developed using the ECL technique.
- Performed under reducing conditions.

Application: ELISA,WB

Recommended WB: 1:2000-1:20000; ELISA: 1:5000-1:10000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Influenza B virus HA protein (TMPY-00955)

Antigen Species: Influenza B

Research Background

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.

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