

Anti-H3N2 antigen from influenza A virus [IF1A11] Standard Size Ab00443-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted human antibody was made using the variable domain sequences of the original Human Fab format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, [Fc Silent™](#), Kappa

Clone Number: IF1A11

Alternative Name(s) of Target: Hemagglutinin; HA

UniProt Accession Number of Target Protein: P03437

Published Application(s): Blocking, WB, ELISA

Published Species Reactivity: Influenza A

Immunogen: RNA from peripheral blood lymphocytes of a healthy volunteer who had recovered from an Influenza A virus infection.

Specificity: The antibody binds to Influenza A H3N2 with a K_d of 3.6 nM.

Application Notes: The antibody binds to H3N2, which binds to sialic acid-containing receptor on the host cell surface leading to attachment and internalization of the virion. The antibody neutralizes the H3N2-receptor interaction.

Antibody First Published in: Shibuya et al. Identification of a human monoclonal Fab with neutralizing activity against H3N2 influenza A strain from a newly constructed human Fab library. Microbiology and Immunology 2008; 52(3):162-170 [PMID:18402598](#)

Note on publication: Describes the generation of a Fab library and a H3N2-neutralizing antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.