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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-HA2 [3JA18] Standard Size Ab03639-10.3

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

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

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 3JA18

Alternative Name(s) of Target: hemagglutinin subunit 2; Hemagglutinin; Hemagglutinin HA2 chain

UniProt Accession Number of Target Protein: P03454

Published Application(s): neutralization, SERS, WB, ELISA

Published Species Reactivity: Influenza A (several subtypes)

Immunogen: The original antibody was generated from naive human single-fold scFv libraries by panning against the recombinant HA2 ectodomain protein.

Specificity: The antibody specifically binds the stem region of HA. The antibody recognises influenza H1N1, H3N2, H5N1, H5N2 and H7N9.

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected the recombinant HA2 by western blot analysis. Surface-enhanced Raman spectroscopy assay showed the antibody has high affinity for rHA2 and virus particles. A neutralization assay with H5pp was carried out to evaluate the inhibition of virus entry by the antibody. The results showed that the original format of the antibody can significantly reduce H5pp-mediated infection. Further, an influenza virus PRNT assay was performed on the antibody using H1N1 virus. The antibody neutralized H1N1 virus and significantly decreased the number of plaques arising from lysis of host cells (MDCK) (Li et al. 2016; PMID: 26446888).

Antibody First Published in: Li et al. Development of single-chain variable fragments (scFv) against influenza virus targeting hemagglutinin subunit 2 (HA2). Arch Virol. 2016 Jan;161(1):19-31. PMID:26446888

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 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.