Anti-HA [AV.D1] Standard Size Ab02204-10.0

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, Lambda
Clone Number: AV.D1
Alternative Name(s) of Target: Hemagglutinin; Avian Influenza Virus; AIV; H5N1; H5N2; H5N3; Influenza A virus
UniProt Accession Number of Target Protein: A5A5M5
Published Application(s): NTRL, ELISA
Published Species Reactivity: H5N1 Influenza A Virus
Immunogen: The original antibody was isolated from human semi-synthetic ETH-2 phage antibody library by biopanning against H5 hemagglutinin.
Specificity: This antibody binds the hemaglutinin of the H5N1 avian influenza virus.
Application Notes: The specificity of this scFv antibody for binding H5 type of hemaglutinin was determined by ELISA. AV.D1 binds a conserved epitope shared by three different virus strains belonging to the H5 subtype, i.e. the homologous strain A/Vietnam/ 1194/04 (H5N1), and two viruses isolated form wild birds, A/Nammalr/Italy/80/93 (H5N2) and A/Mallard/Italy/208/00 (H5N3). This antibody does not cross react with H1N1 influenza virus. scFv clone AV.D1 exerted a significant inhibition of the H5N1 A/Vietnam/1194/2004 virus infection in a pseudotype-based neutralization assay (PMID: 19481117).
Antibody First Published in: Ascione et al. Human monoclonal antibodies in single chain fragment variable format with potent neutralization activity against influenza virus H5N1. Antiviral Res. (2009); 83(3):238-44. PMID:19481117
Note on publication: Describes the generation of scFv format of this antibody from a phage display library and its effectiveness in neutralizing the H5N1 infection.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

20^{o}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.