

Anti-HA [CR6261] Standard Size Ab02199-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: CR6261

Alternative Name(s) of Target: Hemagglutinin; Avian Influenza Virus; AIV; H1N1; H5N1; Influenza A virus

UniProt Accession Number of Target Protein: Q9WFX3

Published Application(s): NTRL, therapeutic

Published Species Reactivity: Influenza A Virus (several subtypes)

Immunogen: The original antibody was isolated using phage display from the IgM+ memory B cells of a healthy individual vaccinated against influenza.

Specificity: This antibody binds hemagglutinin of most group 1 influenza viruses. CR6261 recognizes a highly conserved helical region in the membrane-proximal stem of HA1/HA2.

Application Notes: The antibody neutralizes the virus by blocking conformational rearrangements associated with membrane fusion. CR6261 neutralizes multiple influenza subtypes, including H1, H2, H5, H6, H8, and H9, and protects mice from lethal challenge with H1N1 and H5N1 viruses when administered up to five days post-infection (PMID: 19251591). It is reported that Oseltamivir/Zanamivir may congruently improve the therapeutic efficacy of CR6261 (PMID: 22693576).

Antibody First Published in: Throsby et al. Heterosubtypic neutralizing monoclonal antibodies cross-protective against H5N1 and H1N1 recovered from human IgM+ memory B cells. PLoS One. (2008); 3(12): e3942. [PMID:19079604](#)

Note on publication: Describes the generation of this antibody from a combinatorial display library that was constructed from human IgM+ memory B cells of recent (seasonal) influenza vaccinees.

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.