

Anti-HA (H5N1) [1D10]

Catalogue number: 152655

Sub-type:

Images:

Contributor

Inventor:

Institute: A*STAR Accelerate Technologies Pte Ltd

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-HA (H5N1) [1D10]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: The hemagglutinin (HA) protein is one of the two major surface glycoproteins on the envelope of influenza A virus. The HA protein is responsible for receptor binding to host cells and for viral entry and is therefore the primary target of neutralizing antibodies. It is a homotrimer, with each subunit made up of two disulfide-linked polypeptides, HA1 and HA2. The N-terminal subunit HA1 contains the receptor binding domain. In this study, the receptor binding domain of the H5N1 avian influenza hemagglutinin (H5) was expressed in E.coli and used as antigen target. This project targets to generate monoclonal antibodies against H5 for diagnostic and therapeutic applications.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Virus

Selectivity:

Host: Mouse

Immunogen: 32.5kDa truncated H5 protein

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Transfected cell lysates

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: tEH5 (32.5kDa) protein, receptor binding domain of influenza hemagglutinin (H5)

Target alternate names:

Target background: The hemagglutinin (HA) protein is one of the two major surface glycoproteins on the envelope of influenza A virus. The HA protein is responsible for receptor binding to host cells and for viral entry and is therefore the primary target of neutralizing antibodies. It is a homotrimer, with each subunit made up of two disulfide-linked polypeptides, HA1 and HA2. The N-terminal subunit HA1 contains the receptor binding domain. In this study, the receptor binding domain of the H5N1 avian influenza hemagglutinin (H5) was expressed in E.coli and used as antigen target. This project targets to generate monoclonal antibodies against H5 for diagnostic and therapeutic applications.

Molecular weight:

Ic50:

Applications

Application: IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Tian et al. 2016. J Biol Chem. 291(28):14510-25. PMID: 27226565.

CancerTools.org