Anti-RSV F Glycoprotein [11-2-C9]

Catalogue number: 151856
Sub-type:
Images:

Contributor

Inventor: Ayham Alnabulsi
Institute: Vertebrate Antibodies Limited
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-RSV F Glycoprotein [11-2-C9]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Human Respiratory Syncytial Virus (RSV) is a major cause of lower respiratory tract illness and is the chief cause of hospitalization for respiratory tract illness in young children.The glycoprotein F is located on the surface of viral envelope, its function is to induce fusion of viral envelope with host-cell envelope resulting in syncytium formation. The glycoprotein F (also named VP70, F0 or fusion protein) consists of two components: F1 (also named VPG48) and F2 (also named VGP26) held together by disulphide bonds. The reported molecular weight of the VGP26 component varies between 20 to 26 kDa.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1 kappa
Reactivity: Virus
Selectivity:
Host: Mouse
Immunogen: Gradient-purified RSF-44 virus (subgroup A) UV inactivated for 20 minutes at 20C
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:

Formulation:
Recommended controls: Immunoblot: Ag: gradient-purified RS virus (see figure). Indirect immunofluorescence: staining of RSA-2 infected BSC-1 cells
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Human Respiratory Syncytial (RS) virus Fusion glycoprotein

Target alternate names:

Target background: Human Respiratory Syncytial Virus (RSV) is a major cause of lower respiratory tract illness and is the chief cause of hospitalization for respiratory tract illness in young children.The glycoprotein F is located on the surface of viral envelope, its function is to induce fusion of viral envelope with host-cell envelope resulting in syncytium formation. The glycoprotein F (also named VP70, F0 or fusion protein) consists of two components: F1 (also named VPG48) and F2 (also named VGP26) held together by disulphide bonds. The reported molecular weight of the VGP26 component varies between 20 to 26 kDa.

Molecular weight: The identity and molecular weight of the protein target of this antibody was validated by including within the immunoblot assay (as a marker) a convalescent serum sample from a RS virus infected patient. The protein specificities of the antibodies induced in the human convalescent serum is described in Gimenez et al. (1987).

Ic50:

Applications

Application: Fn ; ELISA ; IF ; Fn ; WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: Dulbecco??Â?s media containing 20% Fetal Bovine serum (DH20) prepared as follows (for final volume of 300ml: 237ml DMEM plus 60 ml Fetal Bovine Serum plus 3ml L-Glutamine).
Storage conditions:

-15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Gimenez et al. 1986. Journal General Virology, 67: 863-870. PMID: 3517224