

Anti-RSV Phosphoprotein VP32 [3-5-18]

Catalogue number: 151850

Sub-type:

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-RSV Phosphoprotein VP32 [3-5-18]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: This antibody reacts with the phosphoprotein from both human RS virus subgroups A and B as well as the phosphoprotein of bovine RS virus. The antibody is not reactive with the phosphoprotein of other member of Pneumovirus genus (specifically, pneumonia virus of mice). On the basis of the reactivity of this antibody and the 4-14 antibody (cat number: 151851) against the VP32 protein (by immunoblot and immunofluorescence) the existence of two antigenic types of human RS virus was identified (Gimenez et al., 1986). The phosphoprotein is located within the virion nucleocapsid. The phosphoprotein of RS virus subgroup A is slightly larger than the phosphoprotein of RS virus subgroup B. This difference in molecular weight was demonstrated by immunoblot using this antibody (Gimenez et al., 1986). This antibody is useful for the diagnosis of RS virus infection since the phosphoprotein is abundant which makes the detection assays using this antibody highly sensitive.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1 kappa

Reactivity: Virus

Selectivity:

Host: Mouse

Immunogen: Gradient-purified RSN-2 virus (subgroup B) treated with 0.1% SDS at 100°C for 2

mins.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Immunoblot: Gradient-purified RSN-2 virus 5ug per lane. Lanes 1 and

2. First antibodies: Lane 1: 3-5 antibody. Lane 2: RSV convalescent human sera. Indirect

immunofluorescence: staining of RSN-2 infected BSC-1 cells

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Human Respiratory Syncytial (RS) virus Phosphoprotein, VP32

Target alternate names:

Target background: This antibody reacts with the phosphoprotein from both human RS virus subgroups A and B as well as the phosphoprotein of bovine RS virus. The antibody is not reactive with the phosphoprotein of other member of Pneumovirus genus (specifically, pneumonia virus of mice). On the basis of the reactivity of this antibody and the 4-14 antibody (cat number: 151851) against the VP32 protein (by immunoblot and immunofluorescence) the existence of two antigenic types of human RS virus was identified (Gimenez et al., 1986). The phosphoprotein is located within the virion nucleocapsid. The phosphoprotein of RS virus subgroup A is slightly larger than the phosphoprotein of RS virus subgroup B. This difference in molecular weight was demonstrated by immunoblot using this antibody (Gimenez et al., 1986). This antibody is useful for the diagnosis of RS virus infection since the phosphoprotein is abundant which makes the detection assays using this antibody highly sensitive.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: Dulbecco'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: Bashir et al. 2014. Neuromuscular Disorders. 24:1

CancerTools.org