

Anti-RSV Nucleoprotein VP41 [4-18]

Catalogue number: 151852

Sub-type:

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-RSV Nucleoprotein VP41 [4-18]

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. There are two RS virus subgroups, A and B. The A and B subgroups circulate concurrently with subgroup A usually dominating. This antibody is useful for the diagnosis of RS virus subgroup A and B infections, since the nucleoprotein is very abundant within infected cells, which makes virus detection assays highly sensitive. The nucleoprotein is located in the nucleocapsid of the virion; it is abundant and forms a tight complex with virus genomic RNA. Anti-Nucleoprotein VP41 [RSV 4-18] reacts with both human RS virus Subgroups A and B.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a 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: Line1 RSV convalescent human sera. Lane 2: 4-18 antibody. Indirect immunofluorescence: staining of RSN-2 infected BSC-1 cells

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Human Respiratory Syncytial Virus (RSV) nucleoprotein VP41

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. There are two RS virus subgroups, A and B. The A and B subgroups circulate concurrently with subgroup A usually dominating. This antibody is useful for the diagnosis of RS virus subgroup A and B infections, since the nucleoprotein is very abundant within infected cells, which makes virus detection assays highly sensitive. The nucleoprotein is located in the nucleocapsid of the virion; it is abundant and forms a tight complex with virus genomic RNA. Anti-Nucleoprotein VP41 [RSV 4-18] reacts with both human RS virus Subgroups A and B.

Molecular weight:

Ic50:

Applications

Application: ELISA ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/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: Gimenez et al. 1986. Journal General Virology, 67: 863-70. PMID: 3517224

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