

Anti-RSV Subgroup B Phosphoprotein [4-14]

Catalogue number: 151851

Sub-type:

Images:

Contributor

Inventor: Ayham Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-RSV Subgroup B Phosphoprotein [4-14]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Immunoblot assays performed in parallel using as antigen 19 clinical RS virus isolates of subgroups A and B (isolated between 1972 and 1984) showed that this antibody reacted only with the phosphoprotein of RS virus subgroup B (Gimenez et al, 1986). RS virus subgroups A and B circulate concurrently in the human population. Infections with RS virus subgroup A are thought to produce more severe disease than infections with RS virus subgroup B. Consequently, it is beneficial for patient management to know early during an RS virus infection whether the patient is infected with RS virus subgroup A or B. Thus, this antibody is relevant for as a diagnostic tool to determine, soon after infection, the specific RS virus subgroup responsible for the RS virus infection. A diagnostic kit protocol is described in Notes.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgM

Reactivity: Virus

Selectivity:

Host: Mouse

Immunogen: The immunogen was gradient-purified RSN-2 virus (subgroup B) that was then treated with 0.1% SDS at 100°C for 2 min. The procedure used to produce this antibody is described in

Gimenez et al. (1984).

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Immunoblot: Partial purified PVM (lane 2). Partial purified BRS virus (lane 3). Gradient-purified RSN-2 virus (lane 1 & 4): 5ug/lane. First antibody: 4-14 antibody (lanes 1,2,3 & 4). 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: Immunoblot assays performed in parallel using as antigen 19 clinical RS virus isolates of subgroups A and B (isolated between 1972 and 1984) showed that this antibody reacted only with the phosphoprotein of RS virus subgroup B (Gimenez et al, 1986). RS virus subgroups A and B circulate concurrently in the human population. Infections with RS virus subgroup A are thought to produce more severe disease than infections with RS virus subgroup B. Consequently, it is beneficial for patient management to know early during an RS virus infection whether the patient is infected with RS virus subgroup A or B. Thus, this antibody is relevant for as a diagnostic tool to determine, soon after infection, the specific RS virus subgroup responsible for the RS virus infection. A diagnostic kit protocol is described in Notes.

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: Gimenez et al. 1984. Journal General Virology, 65: 963-71. PMID: 6202832

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