

Anti-Metapneumovirus Fusion Protein [hMPV24]

Catalogue number: 151640

Sub-type:

Images:

Contributor

Inventor: Geoff Toms

Institute: Newcastle University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Metapneumovirus Fusion Protein [hMPV24]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which can identify human metapneumovirus via immunofluorescent staining and does not cross react to other cell cultures Background and Research Application Anti-hMPV monoclonal antibody which can identify and locate the fusion glycoprotein of human metapneumovirus (hMPV) of both types A and B, within a sample. hMPV is a negative single stranded RNA virus of the paramyxoviridae family and can cause upper and lower respiratory tract infections. Discovered in 2001, there appear to be 4 lineages of the hMPV virus, stemming from sub-groups A and B. Anti-hMPV24 can recognise the fusion protein of all 4 lineages (A1, A2, B1 and B2). Anti-hMPV24 be also used in conjunction with other hMPV antibody clones to detect all strains of the virus. Anti-hMPV24 was created to diagnose hMPV infection in respiratory specimens via immunofluorescence staining with optimal staining of clinical samples with low backgrounds on uninfected specimens.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a kappa

Reactivity: Virus

Selectivity:

Host:

Mouse

Immunogen: Human MPV strain NCL-145

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Human MPV infected LLC-MK2 cells

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Metapneumovirus Fusion Protein

Target alternate names:

Target background: Monoclonal antibody which can identify human metapneumovirus via immunofluorescent staining and does not cross react to other cell cultures Background and Research Application Anti-hMPV monoclonal antibody which can identify and locate the fusion glycoprotein of human metapneumovirus (hMPV) of both types A and B, within a sample. hMPV is a negative single stranded RNA virus of the paramyxoviridae family and can cause upper and lower respiratory tract infections. Discovered in 2001, there appear to be 4 lineages of the hMPV virus, stemming from sub-groups A and B. Anti-hMPV24 can recognise the fusion protein of all 4 lineages (A1, A2, B1 and B2). Anti-hMPV24 be also used in conjunction with other hMPV antibody clones to detect all strains of the virus. Anti-hMPV24 was created to diagnose hMPV infection in respiratory specimens via immunofluorescence staining with optimal staining of clinical samples with low backgrounds on uninfected specimens.

Molecular weight:

Ic50:

Applications

Application: IHC; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: RPMI + Hepes (25mM) + glutamine (2mM) + 10% heat inactivated FCS.

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools: Anti-Metapneumovirus Nucleoprotein [hMPV123] ; Anti-Metapneumovirus Nucleoprotein [hMPV123] ; Anti-Metapneumovirus [hMPV57]

References

References: Vanover et al. 2017. Nat Commun. 8(1):667. PMID: 28939853. ; Shi et al. 2016. Sci Rep. 6:35851. PMID: 27767097. ; Robinson et al. 2014. J Med Virol. 86(7):1267-77. PMID: 24415460. ; Generation and epitope mapping of a sub-group cross-reactive anti-respiratory syncytial virus G glycoprotein monoclonal antibody which is protective in vivo.