

Product Datasheet

Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) - BSA Free NBP2-50412

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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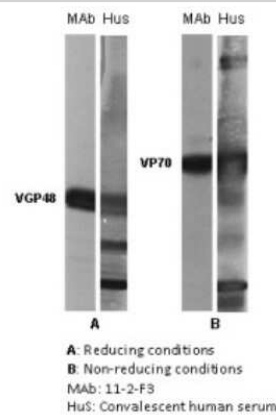


NBP2-50412**Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) - BSA Free**

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	11-2-F3
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) - BSA Free (NBP2-50412) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Virus
Specificity/Sensitivity	This antibody reacts with the RS virus fusion glycoprotein F (also named VP70 or F0 protein), specifically to a subunit of the F protein, F1 (also named VGP48 or 48kDa), from both subgroups A and B of RS virus. This antibody has a high neutralising activity; 90% plaque neutralization titre of 102.2 (Gimenez et al 1996). This property makes it potentially useful for the preparation of reagents for prevention and/or therapeutic use (for example, vaccines or new-generation of man-made antibodies). The characterisation of the epitope of this antibody which induce high neutralising activity will be useful for the preparation of reagents (for example vaccine) to prevent RS virus infection. A RS virus vaccine is not yet available. A vaccine could be used to increase the maternal immunity to RS virus, which would then be passed to the newborn baby to provide passive immunity. The further characterisation of the epitope recognised by this antibody, which possesses a high neutralising activity, will be useful for the preparation of reagents to prevent RS virus infection. New-generation man-made antibodies, based on the 11-2-F3 antibody, could complement the effectiveness of polivizumab (Synagis), which is used to prevent but not treat established RS virus infections (Nature Biotechnology, 2013, 31, 952).
Immunogen	Gradient-purified RSF-44 virus (subgroup A) UV inactivated for 20 minutes at 20C
Product Application Details	
Applications	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:2000, ELISA 1:100 - 1:2000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Functional
Application Notes	Positive control(s): Immunoblot: Ag: gradient-purified Respiratory Syncytial Virus. Indirect immunofluorescence: staining of RSA-2 infected BSC-1 cells.

Images

Western Blot: Respiratory Syncytial Virus Glycoprotein F Antibody (RSV 11-2-F3) [NBP2-50412] - The antigen present in all lanes was gradient purified RSN-A2 virus (subgroup A). First antibodies: lanes "mAb": 11-2-F3 antibody; lanes "Hus": RS virus convalescent human sera. Panel A: Antigen analysed by electrophoresis using reducing conditions (SDS and mercapthoethanol). Panel B: Antigen analysed by electrophoresis using non reducing conditions (SDS only) (Gimenez et al., 1986). 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.





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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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