

Product Datasheet

Respiratory Syncytial Virus Glycoprotein F Antibody (11-3-A3)

NBP2-50392

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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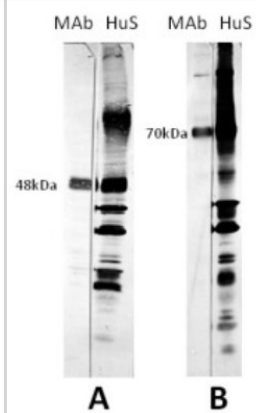


NBP2-50392**Respiratory Syncytial Virus Glycoprotein F Antibody (11-3-A3)**

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	11-3-A3
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Mouse
Species	Virus
Specificity/Sensitivity	This antibody has a high neutralising activity; 90% plaque neutralization titre of 103 (Gimenez et al., 1996). This property makes it potentially useful for the preparation of reagents for prevention and/or for therapeutic use in managing RS virus infections (for example, vaccines or new-generation man-made antibodies). This antibody reacts with the fusion protein F (also named VP70 or F0 protein) and specifically to a subunit of the F protein, F1 (also named 48kDa). The antibody reacts with the RS virus F1 protein from both subgroups A and B of the virus. New-generation man-made antibodies, based on the 11-3-A3 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). Significantly, there was no evidence of antibody dependant enhancement of RS virus infection in vitro for the 11-3-A3 antibody. The enhancing activity was found for other antibodies to the F protein (Gimenez et al 1996).
Immunogen	Gradient-purified RSF-44 virus (subgroup A) UV inactivated for 20 minutes at 20C
Notes	Positive control(s): Immunoblot: (see Figure) Indirect immunofluorescence: staining of RSA-2 infected BSC-1 cells.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:100 - 1:2000, ELISA 1:100 - 1:2000, Immunocytochemistry/Immunofluorescence 1:10 - 1:500

Images

Western Blot: Respiratory Syncytial Virus Glycoprotein F Antibody (RSV 11-3-A3) [NBP2-50392] - The antigen in all lanes was gradient purified RSN-A2 virus (subgroup A). 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).





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Products Related to NBP2-50392

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] (Pre-adsorbed)
NBP1-43319-0.5mg	Mouse IgG1 Kappa Light Chain Isotype Control (P3.6.2.8.1)

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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