

# Product Datasheet

## Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) [DyLight 405] NBP2-50412V

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-50412V****Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) [DyLight 405]**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	11-2-F3
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	DyLight 405
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate

<b>Product Description</b>	
<b>Description</b>	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Host</b>	Mouse
<b>Species</b>	Virus
<b>Specificity/Sensitivity</b>	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).
<b>Immunogen</b>	Gradient-purified RSF-44 virus (subgroup A) UV inactivated for 20 minutes at 20C
<b>Notes</b>	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Functional, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Functional
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP2-50412V**

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NBP1-97005V-0.5ml	Mouse IgG1 Isotype Control (MG1) [DyLight 405]
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### **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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