

# Product Datasheet

## Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) [Alexa Fluor® 405] NBP2-50412AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-50412AF405**

Respiratory Syncytial Virus Glycoprotein F Antibody (11-2-F3) [Alexa Fluor® 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>	Alexa Fluor 405
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<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>	<p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a>. 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.</p>
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<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 NBP2-50412AF405**

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NBP1-97005AF405	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 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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