

# Product Datasheet

## **4-1BB/TNFRSF9/CD137 Antibody (4B4-1-1) [Alexa Fluor® 647] NBP3-12028AF647**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-12028AF647**

4-1BB/TNFRSF9/CD137 Antibody (4B4-1-1) [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	4B4-1-1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 647
Purity	Protein A purified
Buffer	50mM Sodium Borate

Product Description	
Host	Mouse
Gene ID	3604
Gene Symbol	TNFRSF9
Species	Human
Specificity/Sensitivity	This antibody binds to the human 4-1BB/TNFRSF9/CD137, which is expressed on the surface of activated T cells.
Immunogen	The original antibody was generated by immunizing BALB/c mice with a fusion protein of human 4-1BB/TNFRSF9/CD137 antigen and glutathione s transferase (GST).
Notes	<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>

Product Application Details	
Applications	ELISA, Flow Cytometry, Immunohistochemistry, Block/Neutralize
Recommended Dilutions	Flow Cytometry, ELISA, Immunohistochemistry, Block/Neutralize



**Application Notes**

Optimal dilution of this antibody should be experimentally determined.

**Images**

4-1BB/TNFRSF9/CD137 Antibody (4B4-1-1) [Alexa Fluor® 647] [NBP3-12028AF647] - Vial of Alexa Fluor 647 conjugated antibody. Alexa Fluor 647 is optimally excited at 653 nm by the Red laser (633 or 640 nm) and has an emission maximum of 669 nm.



Alexa Fluor® 647

LASER (nm)	FILTER
Red (633,640)	660/10
EXCITATION MAX (nm)	EMISSION MAX (nm)
653	669



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### **Products Related to NBP3-12028AF647**

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IC002R	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647]
NBP2-34958-5ug	Recombinant Human 4-1BB/TNFRSF9/CD137 Protein
210-TA-005	TNF-alpha [Unconjugated]
937-4B-050	4-1BB/TNFRSF9/CD137

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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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