

# Product Datasheet

## CD47 Antibody (IAP/964) [Alexa Fluor® 488] NBP3-08974AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08974AF488**

CD47 Antibody (IAP/964) [Alexa Fluor® 488]

| 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               | IAP/964   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG1 Kappa  |
| Conjugate           | Alexa Fluor 488   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Mouse  |
| Gene ID                 | 961  |
| Gene Symbol             | CD47   |
| Species                 | Human, Mouse   |
| Specificity/Sensitivity | This antibody reacts with Ig domain of CD47 protein. CD47, originally named integrin-associated protein (IAP), is a 50kDa protein containing five membrane-spanning sequences and a short cytoplasmic tail. CD47 plays a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It is important in memory formation and synaptic plasticity in the hippocampus. CD47 may play a role in membrane transport and/or integrin dependent signal transduction.  |
| Immunogen               | Recombinant full-length human CD47 protein (Uniprot: Q08722)   |
| Notes                   | 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. |

**Product Application Details**

|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Flow Cytometry, Immunocytochemistry/Immunofluorescence                 |
| <b>Recommended Dilutions</b> | Flow Cytometry, Immunocytochemistry/Immunofluorescence                 |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined. |

## Images

CD47 Antibody (IAP/964) [Alexa Fluor® 488]



Alexa Fluor® 488

| LASER (nm) | FILTER |
|------------|--------|
| Blue (488) | 525/50 |

| EXCITATION MAX (nm) | EMISSION MAX (nm) |
|---------------------|-------------------|
| 490                 | 525               |



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### **Products Related to NBP3-08974AF488**

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|                   |   |
|-------------------|---|
| IC002G            | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 488] |
| NBP2-52320-0.05mg | Recombinant Human CD47 hIgG-His Protein               |
| 210-TA-005        | TNF-alpha [Unconjugated]                              |
| 1866-CD-050       | CD47 [Unconjugated]                                   |

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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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