

# Product Datasheet

## **B7-1/CD80 Antibody (RM80) [Alexa Fluor™ Plus 647] NBP3-11977AFP647**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11977AFP647**

B7-1/CD80 Antibody (RM80) [Alexa Fluor™ Plus 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               | RM80  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a Kappa   |
| Conjugate           | Alexa Fluor Plus 647  |
| Purity              | Protein A purified  |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rat  |
| Gene ID                 | 941  |
| Gene Symbol             | CD80   |
| Species                 | Mouse  |
| Specificity/Sensitivity | This antibody is specific for murine B7-1/CD80, a ~55 kDa member of the Ig superfamily. B7-1/CD80 is expressed by macrophages, dendritic cells, activated B cells, and activated T cells. B7-1/CD80 has high affinity for binding to two T cell surface antigens, CD28 and CD152 (CTLA-4). The interaction of CD28 and CD152 with B7-1/CD80 is crucial in T-B cell communication leading to the activation of T and B cells, respectively.   |
| Immunogen               | This antibody was raised by immunising Sprague Dawley rats with a mouse B cell line, BCL1 and fusing immune splenocytes with P3U1 myeloma cells.   |
| Notes                   | This product is provided under an intellectual property license from Life Technologies Corporation. The transfer of this product is conditioned on the buyer using the purchased product solely in research conducted by the buyer, excluding contract research or any fee for service research, and the buyer must not (1) use this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; or (c) manufacturing or quality assurance or quality control, and/or (2) sell or transfer this product or its components for resale, whether or not 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, 5781 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@thermofisher.com">outlicensing@thermofisher.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 |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Immunohistochemistry, Block/Neutralize, Functional Assay |



|                              |  |
|------------------------------|--|
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunohistochemistry, Block/Neutralize, Functional Assay |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.                 |



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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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