

# Product Datasheet

## **B7-1/CD80 Antibody (RM80) [Biotin] NBP3-11976B**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11976B**

B7-1/CD80 Antibody (RM80) [Biotin]

| 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             | IgG Kappa   |
| Conjugate           | Biotin  |
| Purity              | Protein A purified  |
| Buffer              | PBS   |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rabbit   |
| 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.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Block/Neutralize, Functional Assay |
| Recommended Dilutions       | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Block/Neutralize, Functional Assay |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP3-11976B**

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|                |                                     |
|----------------|-------------------------------------|
| NBP2-26578     | Recombinant Mouse B7-1/CD80 Protein |
| 210-TA-005     | TNF-alpha [Unconjugated]            |
| 740-B1-100     | B7-1/CD80 [Unconjugated]            |
| 6507-IL-010/CF | IL-4 [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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