

# Product Datasheet

## Dendritic Cell Marker Antibody (33D1) - BSA Free NBP1-43284-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-43284-0.1mg**

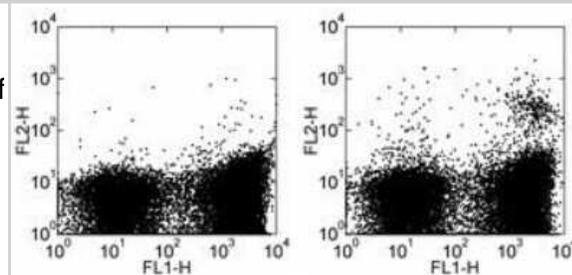
Dendritic Cell Marker Antibody (33D1) - BSA Free

| Product Information         |   |
|-----------------------------|---|
| Unit Size                   | 0.1 mg  |
| Concentration               | 0.5 mg/ml   |
| Storage                     | Store at 4C. Do not freeze.   |
| Clonality                   | Monoclonal  |
| Clone                       | 33D1  |
| Preservative                | 0.09% Sodium Azide  |
| Isotype                     | IgG2b Kappa   |
| Purity                      | Protein A or G purified   |
| Buffer                      | PBS (pH 7.2)  |
| Product Description         |   |
| Description                 | The 33D1 monoclonal antibody reacts with a mouse dendritic cell (DC)-specific surface marker, DCIR2. The nature and biological activity of DCIR2 is unknown. DCIR2 has been reported on a variety of dendritic cell subpopulations from mouse thymus, spleen, lymph node, and Peyer's patch. Bone marrow dendritic cells require GM-CSF to express DCIR2, and this expression is downregulated in the presence of IL-4. DCIR2 has been detected in vivo in brain dendritic cells post infection with <i>Toxoplasma gondii</i> . |
| Host                        | Rat   |
| Species                     | Mouse   |
| Marker                      | Dendritic Cell Marker   |
| Immunogen                   | The immunogen for this antibody was Dendritic Cell Marker.  |
| Product Application Details |   |
| Applications                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen   |
| Recommended Dilutions       | Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500   |
| Application Notes           | The 33D1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1 ug per test. A test is defined as the amount (ug) of antibody that will stain a cell sample in a final volume of 100 uL. Cell number should be determined empirically but can range from $10^5$ to $10^8$ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.   |

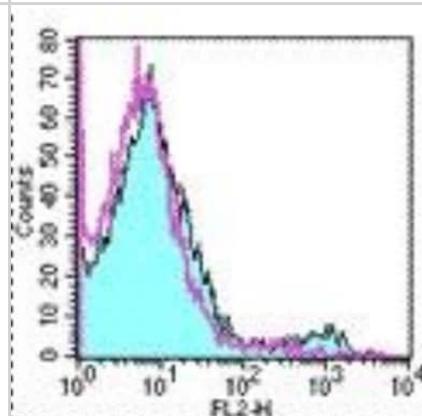


## Images

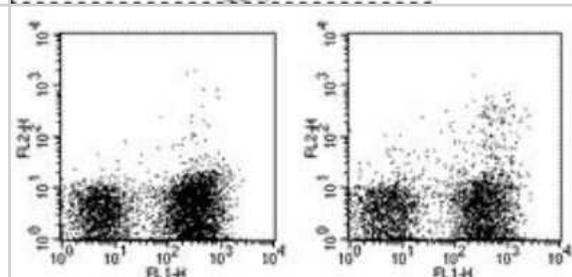
Flow Cytometry: Dendritic Cell Marker Antibody (33D1) [NBP1-43284] - Analysis using the PE conjugate of NBP1-43284. Staining of BALB/c splenocytes with Anti-Mouse MHC Class II (I-A/I-E) FITC and 0.125 ug of Rat IgG2b kappa Isotype Control PE (left) or 0.125 ug of Anti-Mouse Dendritic Cell Marker (33D1) PE (right).



Flow Cytometry: Dendritic Cell Marker Antibody (33D1) [NBP1-43284] - Staining of BALB/c splenocytes with 0.25 ug of Rat IgG2b kappa Isotype Control Purified (open histogram) or 0.25 ug of Anti-Mouse Dendritic Cell Marker (33D1) Purified (filled histogram) followed by Anti-Rat IgG Biotin and Streptavidin PE. Total viable c



Flow Cytometry: Dendritic Cell Marker Antibody (33D1) [NBP1-43284] - Analysis using the Biotin conjugate of NBP1-43284. Staining of C57Bl/6 splenocytes with Anti-Mouse MHC Class II (I-A/I-E) FITC and 0.25 ug of Rat IgG2b Isotype Control biotin (left) or 0.25 ug of bnti-Mouse Dendritic Cell Marker (33D1) Biotin (right) followed by Streptavidin PE.



## Publications

McLellan AD, Kapp M, Eggert A et al. Anatomic location and T-cell stimulatory functions of mouse dendritic cell subsets defined by CD4 and CD8 expression. Blood. 2002-03-15 [PMID: 11877283] (FLOW, Mouse)

Details:

This citation used the FITC version of this antibody.



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### **Products Related to NBP1-43284-0.1mg**

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|                  |   |
|------------------|---|
| HAF005           | Goat anti-Rat IgG Secondary Antibody [HRP]                |
| NBP1-75398       | Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) |
| NBP1-43323-0.5mg | Rat IgG2b Kappa Light Chain Isotype Control (149/10H5)    |

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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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