

## Recombinant CD83 (Marker of Activated Dendritic Cells) Antibody

Mouse Monoclonal Antibody [Clone r1H4b]

| Catalog No      | Format  | Size   |
|-----------------|---|--------|
| 9308-MSM5-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 9308-MSM5-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 9308-MSM5-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

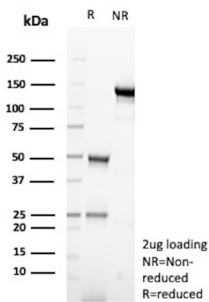
| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB)          | 2-4ug/ml         |   |

### Product Details

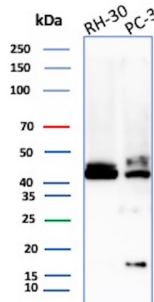
|                               |   |
|-------------------------------|---|
| <b>Clone</b>                  | r1H4b   |
| <b>Gene Name</b>              | CD83  |
| <b>Immunogen</b>              | Prokaryotic recombinant protein corresponding to 124 amino acids of the external N-terminus of the CD83 molecule. |
| <b>Host</b>                   | Mouse   |
| <b>Clonality</b>              | Monoclonal  |
| <b>Isotype / Light Chain</b>  | IgG1 / Kappa  |
| <b>Mol. Weight of Antigen</b> | 23kDa   |
| <b>Cellular Localization</b>  | Cytoplasm, Membrane   |
| <b>Species Reactivity</b>     | Human   |
| <b>Positive Control</b>       | Human brain, tonsil, lymph node or spleen. RH30 or PC-3 cell lysates.   |

\*Optimal dilution for a specific application should be determined.

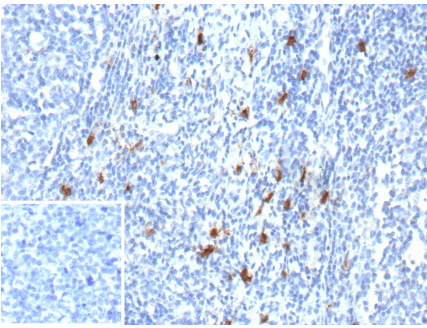
### Product Images for Recombinant CD83 (Marker of Activated Dendritic Cells) Antibody



SDS-PAGE Analysis of Purified CD83 Recombinant Mouse Monoclonal Antibody (r1H4b). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of RH-30 and PC-3 cell lysates using CD83 Recombinant Mouse Monoclonal Antibody (r1H4b).



Formalin-fixed, paraffin-embedded human tonsil stained with CD83 Recombinant Mouse Monoclonal Antibody (r1H4b). Inset: PBS instead of primary antibody; secondary only negative control.

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### Specificity & Comments

CD83 antigen, a member of the immunoglobulin superfamily, is a useful marker of mature and activated dendritic cells. These include Langerhans cells in the skin, peripheral blood dendritic cells and interdigitating reticulum cells within the T cell zones of lymphoid organs. Human early pregnancy decidua contains immunostimulatory CD83 antigen positive dendritic cells. Some germinal centre B cells and activated peripheral lymphocytes also express CD83 antigen. CD83 is also used as a marker for Hodgkin's lymphoma, Reed Sternberg cells and breast carcinoma.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### Research Areas

Immune checkpoint, Immuno Oncology

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