

# Product Datasheet

## **ICAM-1/CD54 Antibody (W-CAM-1 (same as Wehi-CAM-1 or 1H4))**

**NBP2-44331-0.1mg**

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44331-0.1mg**

ICAM-1/CD54 Antibody (W-CAM-1 (same as Wehi-CAM-1 or 1H4))

| Product Information |                                     |
|---------------------|-------------------------------------|
| Unit Size           | 0.1 mg                              |
| Concentration       | 0.2 mg/ml                           |
| Storage             | Store at 4C.                        |
| Clonality           | Monoclonal                          |
| Clone               | W-CAM-1 (same as Wehi-CAM-1 or 1H4) |
| Preservative        | 0.05% Sodium Azide                  |
| Isotype             | IgG2b Kappa                         |
| Purity              | Protein A or G purified             |
| Buffer              | 10 mM PBS with 0.05% BSA            |

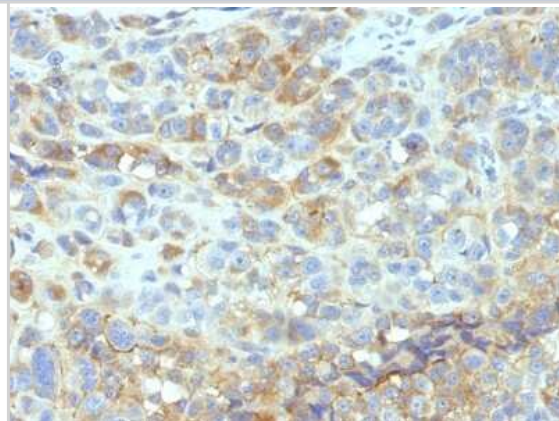
| Product Description     |   |
|-------------------------|---|
| Description             | <p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA &amp; 0.05% azide. Also available WITHOUT BSA &amp; azide at 1.0 mg/ml. (NBP3-11490)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>   |
| Host                    | Mouse   |
| Gene ID                 | 3383  |
| Gene Symbol             | ICAM1   |
| Species                 | Human   |
| Specificity/Sensitivity | <p>Recognizes an 85-115kDa protein (variation with cell type), identified as intercellular adhesion molecule (ICAM-1) (Workshop IV). It has 7 potential N-linked glycosylation sites. ICAM-1 is a single chain glycoprotein of Ig supergene family, present on unstimulated endothelial cells (EC) and on a variety of other cell types including activated fibroblasts, EC, macrophages, and lymphocytes. ICAM-1 mediates cell adhesion by binding to integrins CD11a/CD18 (leukocyte adhesion molecule, LFA-1) and to CD11b/CD18 (Mac-1). This interaction enhances antigen-specific T-cell activation. ICAM-1 also binds to CD43 and to Plasmodium falciparum infected RBCs. W-CAM-1 monoclonal antibody blocks aggregation of cell lines mediated by the ICAM-1 and blocks homotypic binding of Purified populations of activated T- and B-lymphocytes and also aggregation of mixed T- and B-cell blasts. It inhibits T-cell adhesion to normal human endothelial cells. Activation induced by cell-cell contact (mixed lymphocyte reaction, T-cell mediated B-cell activation) is significantly inhibited. This monoclonal antibody blocks elements of both effector arms of immune system (cytotoxic cell function and Ig production).</p> |
| Immunogen               | Raji Burkitt lymphoma cells   |

| Product Application Details |   |
|-----------------------------|---|
| Applications                | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml  |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |



## Images

Immunohistochemistry-Paraffin: ICAM-1/CD54 Antibody (W-CAM-1 (same as Wehi-CAM-1 or 1H4)) [NBP2-44331] - Human Melanoma stained with CD54 Monoclonal Antibody (W-CAM-1).



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**Products Related to NBP2-44331-0.1mg**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43317-0.5mg | Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)    |
| NBP1-88701PEP    | ICAM-1/CD54 Recombinant Protein Antigen                 |

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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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