

# Product Datasheet

## **ICAM-1/CD54 Antibody (W-CAM-1 (same as Wehi-CAM-1 or 1H4)) [CoraFluor™ 1] NBP3-11490CL1**

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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Updated 8/13/2024 v.20.1

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**NBP3-11490CL1**

ICAM-1/CD54 Antibody (W-CAM-1 (same as Wehi-CAM-1 or 1H4)) [CoraFluor™ 1]

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. Do not freeze.
Clonality	Monoclonal
Clone	W-CAM-1 (same as Wehi-CAM-1 or 1H4)
Preservative	No Preservative
Isotype	IgG2b Kappa
Conjugate	CoraFluor 1
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	3383
Gene Symbol	ICAM1
Species	Human
Specificity/Sensitivity	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).
Immunogen	Raji Burkitt lymphoma cells
Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-11490CL1**

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NBP2-52268-0.05mg	Recombinant Mouse ICAM-1/CD54 His Protein
210-TA-005	TNF-alpha [Unconjugated]
796-IC-050	ICAM-1/CD54 [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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