

Datasheet for ABIN94178
anti-ICAM1 antibody



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4 Images

Overview

Quantity:	0.1 mg
Target:	ICAM1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ICAM1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Raji cells and spleen cells fused with NS1 cells
Clone:	1H4
Isotype:	IgG2b
Specificity:	The antibody 1H4 recognizes an extracellular epitope of CD54 (ICAM-1), a 85-110 kDa type I transmembrane glycoprotein (receptor for rhinovirus) expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells, the expression of CD54 is upregulated by activation.
Cross-Reactivity (Details):	Other not tested, Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

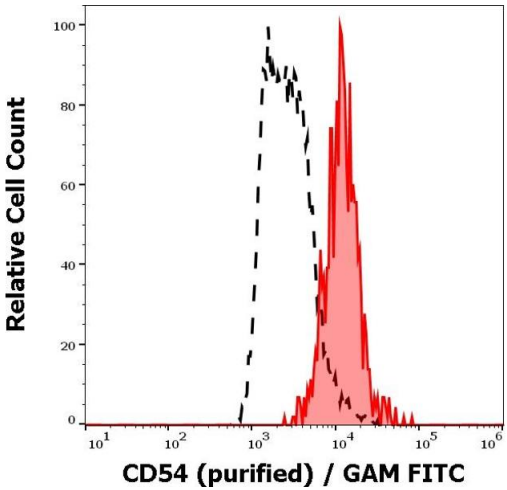
Target:	ICAM1
Alternative Name:	CD54 (ICAM1 Products)
Target Type:	Viral Protein
Background:	Intercellular adhesion molecule 1,CD54 (ICAM-1) is a 90 kD member of the C2 subset of immunoglobulin superfamily. It is a transmembrane molecule with 7 potential N-glycosylated sites, expressed on resting monocytes and endothelial cells and can be upregulated on many other cells, e.g. with lymphokines, on B- and T-lymphocytes, thymocytes, dendritic cells and also on keratinocytes, chondrocytes, as well as epithelial cells. CD54 mediates cell adhesion by binding to integrins CD11a/CD18 (LFA-1) and to CD11b/CD18 (Mac-1). The interaction of CD54 with LFA-1 enhances antigen-specific T-cell activation.,ICAM-1, BB2, P3.58
Gene ID:	3383
UniProt:	P05362
Pathways:	Cellular Response to Molecule of Bacterial Origin , Regulation of Actin Filament Polymerization , Carbohydrate Homeostasis , Regulation of Leukocyte Mediated Immunity , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	Immunohistochemistry (frozen sections): Recommended dilution: 5-10 µg/mL. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL, prolonged fixation in buffered formalin can destroy the epitope. High temperature antigen unmasking technique is required. Flow cytometry: Recommended dilution: 1-4 µg/mL.
Restrictions:	For Research Use only

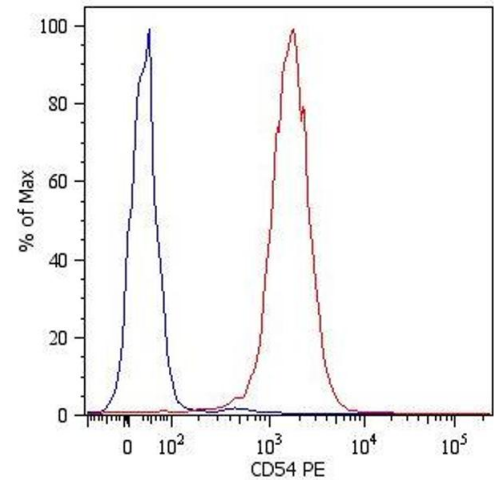
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



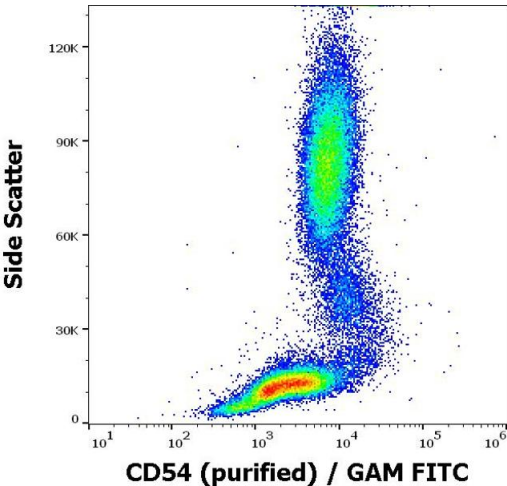
Flow Cytometry

Image 1. Separation of human monocytes (red-filled) from human lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD54 (1H4) purified antibody (concentration in sample 3 $\mu\text{g/mL}$, GAM FITC).



Flow Cytometry

Image 2. Surface staining of U937 human histiocytic lymphoma cell line with anti-human CD54 (1H4) PE. Total viable cells were used for analysis.



Flow Cytometry

Image 3. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD54 (1H4) purified antibody (concentration in sample 3 $\mu\text{g/mL}$, GAM FITC).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN94178.