

## Product datasheet for **AM03205RP-N**

### ICAM1 Mouse Monoclonal Antibody [Clone ID: 1H4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1H4
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 20 µl to label 10e6 cells or 100 µl whole blood or blood or 10e6 cells in a suspension.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Raji cells and spleen cells fused with NS1 cells
Specificity:	The antibody reacts with 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.
Formulation:	PBS Label: PE State: Liquid purified IgG fraction Stabilizer: 0.2% (w/v) high-grade BSA (Protease free) Preservative: 15 mM Sodium Azide Label: R-Phycoerythrin
Purification:	Size-Exclusion Chromatography
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	intercellular adhesion molecule 1



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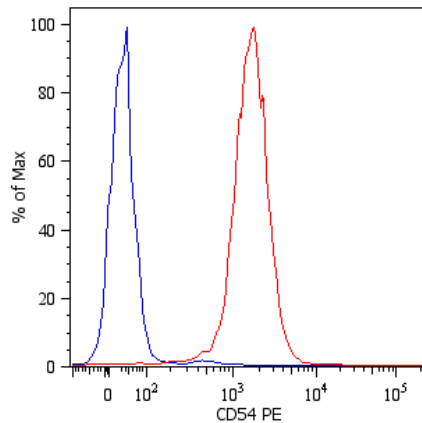
**Database Link:** [Entrez Gene 3383 Human P05362](#)

**Background:** 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.

**Synonyms:** ICAM-1

**Note:** The content of a vial (2 ml) is sufficient for 100 tests.

### Product images:



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