

30-1436: Anti-CD54 Monoclonal Antibody (Clone:YN1/1.7.4)(Discontinued)

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|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | YN1/1.7.4 |
| Application : | FACS, IP, WB, IHC-Fr, ICC, Functional Assay |
| Reactivity : | Mouse |
| Gene : | Icam1 |
| Gene ID : | 15894 |
| Uniprot ID : | P13597 |
| Format : | Purified |
| Alternative Name : | Icam1,Icam-1 |
| Isotype : | Rat IgG2b |
| Immunogen Information : | Mouse NS-1 cells |

Description

CD54 (ICAM-1) is a 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.

Product Info

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| Amount : | 0.1 mg |
| Purification : | Purified by protein-A affinity chromatography |
| Storage condition : | Store at 2-8°C. Do not freeze. |

Application Note

Flow Cytometry *Recommended dilution:* 1 µg/ml

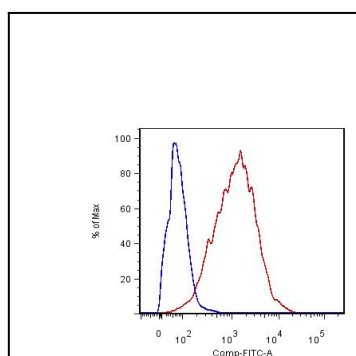


Figure 1: Surface staining of mouse thymocytes using anti-CD54 monoclonal antibody (clone YN1/1.7.4).