

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD54 Monoclonal Antibody(Biotin  
Conjugated)

**Catalog:** DL20629F

**Synonyms:** Intercellular adhesion molecule  
1, Icam1, MALA-2, MyD10, CD54, Icam-1

**Background:** CD54 is a 85-110 kD type I transmembrane protein also known as ICAM-1. It is expressed on activated endothelial cells, high endothelial venules, T and B cells, monocytes/macrophages, granulocytes, and dendritic cells. The expression of ICAM-1 can be released from the cell surface. CD54 plays a role in cellular adhesion and is involved in inflammation and leukocyte extravasation. CD54 has also been shown to be the major cellular receptor for rhinovirus. ICAM-1 binds to CD11a/CD18 (LFA-1),

CD11b/CD18 (Mac-1), CD11c/CD18 (p150, 95) as well as hyaluronan and fibrinogen.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:** 25  $\mu$ g/100  $\mu$ g

**Host:** Mouse

**Reactivity:** Human

**Application:** FCM

**Concentration:** 0.5 mg/mL

**Conjugation:** Biotin

**SwissProt:** P05362

**Buffer:** PBS with 0.05% Proclin300, 1% BSA

### **Recommended Use:**

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 1.0 \mu$ g per  $10^6$  cells in 100  $\mu$ l volume or 100  $\mu$ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

### **Storage:**

Keep as concentrated solution.



Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.