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**Product name:** Anti-Mouse CD54 Monoclonal Antibody(PerCP  
Conjugated)

**Catalog:** DL20355F

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

**Background:** CD54 is a 90 kD immunoglobulin superfamily member also known as ICAM-1 and Ly-47. It is expressed on activated endothelial cells, high endothelial venules (HEV), T and B cells, monocytes/ macrophages, granulocytes, and dendritic cells. CD54 is an important intracellular adhesion molecule that participates in T cell-T cell, T cell-B cell, and T cell-target cell interactions via binding of LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). CD54 has also been shown to be involved in

lymphocyte trafficking, making it an important molecule in many immune reactions and inflammation. CD54 is also a receptor for rhinovirus. The YN1/1.7.4 antibody has been reported to block binding of mouse CD54 to LFA-1 and Mac-1, inhibit cell-cell adhesion, and function in antigen presentation to T cells and leukocyte migration to inflammatory tissues.

**Form:** Liquid

**Isotype:** Rat IgG2b,  $\kappa$

**Size:** 25 $\mu$ g/50 $\mu$ g/100 $\mu$ g/200 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** PerCP

**SwissProt:** P13597

**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. Please check your vial before the experiment. Since applications vary, the appropriate

dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results or refer to the dilution we used in the experiment.

**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.