Manufacturer/Supplier:
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Product name: Purified Anti-Mouse CD54 Monoclonal Antibody
Catalog: DL20340F

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, κ

Size: 25μg/100μg

Host: Rat

Reactivity: Mouse

Application: FCM,WB,IHC,IP

Concentration: 0.5 mg/mL

Conjugation: Unconjugated

SwissProt: P13597

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 μg per 10^6cells in 100 μL volume or 100 μL 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℃. Do not freeze.

This product is guaranteed up to one year from purchase.