

Antibody Data

Product SKU:	AGEL0716	Clone:	YN1/1.7.4
Applications:	FCM		
Reactivity:	Mouse		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names: Intercellular adhesion molecule 1;Icam1;MALA-2;MyD10;CD54;Icam-1;

Uniprot ID: P13597

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.

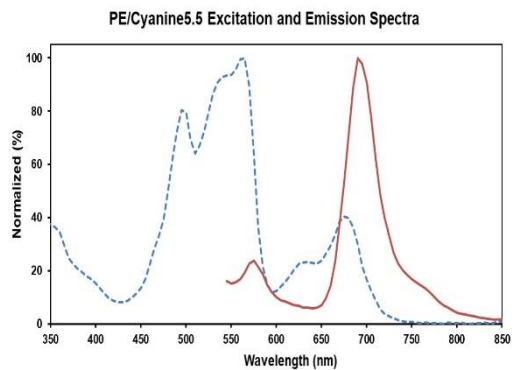
Form: Liquid

Conjugation: PE/Cyanine 5.5

Size: 25µg, 100µg

Host Species: Rat

Isotype: Rat IgG2b, κ



Ex:495;565;675 nm; Em:690 nm

Isotype Control: PE/Cyanine5.5 Rat IgG2b, κ Isotype Control[LTF-2] [Product AGEL0716]

Storage Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Shipping: Biological ice pack at 4°C

Stability & Storage: Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

Recommended Usage: Each lot of this antibody is quality control tested by 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 [The recommended concentration is 0.1-1 µg/10⁶ cells in 100 µL volume].