

Anti-Human CD54 Monoclonal Antibody (PerCP Conjugated)

Catalog No.	E-AB-1618	Reactivity	Human
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Antigen Information

Alternate Names	Antigen identified by monoclonal BB2, BB 2, BB2, CD 54, CD_antigen=CD54, CD54, Cell surface glycoprotein P3.58, Human rhinovirus receptor, ICAM 1, ICAM-1, ICAM1, ICAM1, intercellular adhesion molecule 1 (CD54), human rhinovirus receptor, Intercellular adhesion molecule 1, Major group rhinovirus receptor, MALA 2, MALA2, MyD 10, MyD10, P3.58, Surface antigen of activated B cells, BB2
Uniprot ID	P05362
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.

Product Details

Size	100tests/25tests
Clone No.	R6-5-D6
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human
Application	FCM
Storage Buffer	PBS with 0.09% NaN ₃ , 0.2% BSA, PH7.2
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. This product is guaranteed up to one year from purchase.

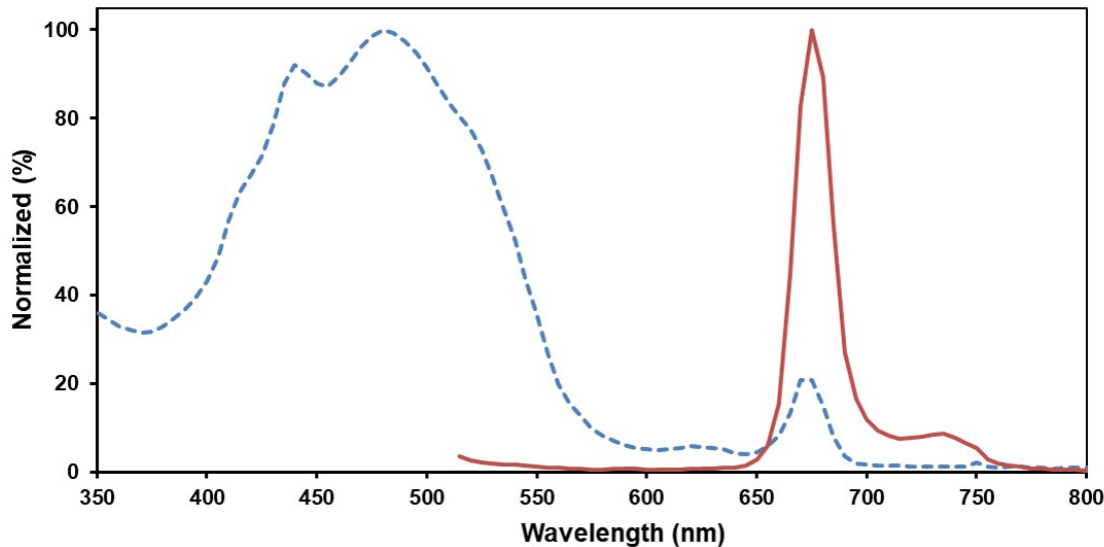
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Fluorophore

Conjugation: PerCP

Excitation Laser:

PerCP Excitation and Emission Spectra



Ex:440;480;675 nm; Em:675 nm

The peridinin-chlorophyll-protein complex (PCP or PerCP) is a soluble molecular complex consisting of the peridinin-chlorophyll a-protein bound to peridinin, chlorophyll, and lipids. The peridinin molecules absorb light in the blue-green wavelengths (470 to 550 nm) and transfer energy to the chlorophyll molecules with extremely high efficiency. PCP complexes are found in many photosynthetic dinoflagellates, in which they may be the primary light-harvesting complexes.

Recommended usage

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used from 20 μ L to 5 μ L per 100 μ L of peripheral blood or 10^6 cells in 100 μ L. Please check your vial). Since applications vary, the appropriate dilutions must be determined for individual use.

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Intracellular Antigens for Flow Cytometry <https://www.elabscience.com/List-detail-5570.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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