

For Research Use Only

PE Anti-Mouse CD54 (YN1/1.7.4)

Catalog Number: PE-65066



Basic Information

Catalog Number: PE-65066	GenBank Accession Number: BC008626	Purification Method: Affinity purification
Size: 100ug, 0.1 mg/ml	GeneID (NCBI): 15894	CloneNo.: YN1/1.7.4
Source: Rat	UNIPROT ID: P13597	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2b, kappa	Full Name: intercellular adhesion molecule 1	

Applications

Tested Applications:
FC

Species Specificity:
mouse

Background Information

ICAM-1 (CD54) is a 90-kDa transmembrane glycoprotein of the immunoglobulin superfamily and is critical for the firm attachment and transmigration of leukocytes out of blood vessels and into tissues (PMID: 19307690). ICAM-1 is expressed by several cell types, typically on endothelial cells and cells of the immune system, and its expression can be up-regulated by various stimuli, including TNF- α , INF- γ , IL-1 and thrombin (PMID: 3086451; 9694714; 15979056). It is a ligand for LFA-1 and Mac-1, serves as a receptor for rhinovirus, and is one of several receptors used by Plasmodium falciparum (PMID: 2566624; 2538244; 2475784).

Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and a stabilizer.

For technical support and original validation data for this product please contact:

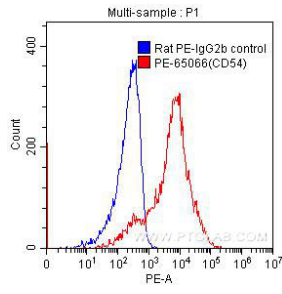
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Selected Validation Data



1X10⁶ C57BL/6 mouse splenocytes were surface stained with 0.20 ug PE-Anti-Mouse CD54 (PE-65066, clone YN1/1.7.4) (red) or 0.20 ug PE-rat IgG2b isotype control (blue). Cells were not fixed.