

For Research Use Only

Anti-Human ICAM-1/CD54 (15.2) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65567-1-PBS



Basic Information

Catalog Number: 65567-1-PBS	GenBank Accession Number: BC015969	Purification Method: Protein A purification
Size: 1mg, 2 mg/ml	GeneID (NCBI): 3383	CloneNo.: 15.2
Source: Mouse	ENSEMBL Gene ID: ENSG00000090339	
Isotype: IgG2a	Full Name: intercellular adhesion molecule 1	
	Calculated MW: 90 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

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 -80°C. Stable for one year after shipment.

Storage Buffer:
PBS Only

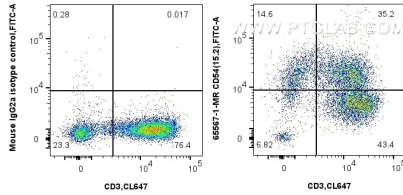
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

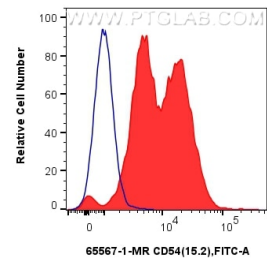
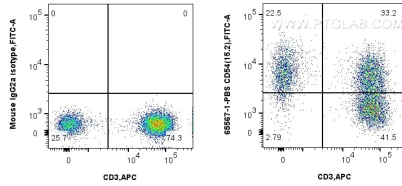
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD54 Mouse IgG2a Recombinant Antibody (65567-1-MR, Clone:15.2) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4), and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65567-1-PBS in a



1x10⁶ human PBMCs were surface stained with 0.125 ug Anti-Human CD54 (15.2) Mouse Recombinant Antibody, PBS Only (65567-1-PBS, Clone:15.2), or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). Cells were then stained with APC Anti-Human CD3 (OKT3) (APC-65133, Clone: OKT3). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD54 Mouse IgG2a Recombinant Antibody (65567-1-MR, Clone:15.2) (red) or Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue), and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were not fixed. Lymphocytes were gated. This data was developed using the same antibody clone with 65567-1-PBS in a different storage buffer formulation.