

For Research Use Only

FcZero-rAb™ Biotin Anti-Human ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98011-4



Basic Information

Catalog Number:	Biotin-FcA98011-4	GenBank Accession Number:	BC015969	Purification Method:	Protein A purification
Concentration:	100ug, 500 ug/ml	GenID (NCBI):	3383	CloneNo.:	240646A11
Source:	Rabbit	ENSEMBL Gene ID:	ENSG00000090339	Recommended Dilutions:	FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	UNIPROT ID:	P05362	Excitation/Emission maxima wavelengths:	-
Immunogen Catalog Number:	EG0570	Full Name:	intercellular adhesion molecule 1		
		Calculated MW:	90 kDa		

Applications

Tested Applications:	Positive Controls:
FC, ELISA	FC : human PBMCs,
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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

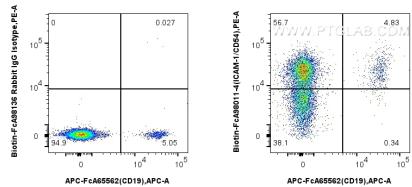
T: 4006900926

E: Proteintech-CN@ptglab.com

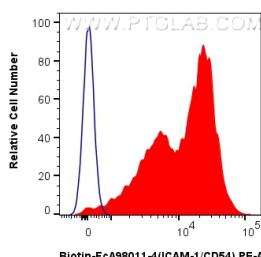
W: ptgcn.com

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Selected Validation Data



1×10^6 human PBMCs were surface stained with 0.25 ug Biotin Anti-Human ICAM-1/CD54 Rabbit RecAb (Biotin-FcA98011-4, Clone:240646A11), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ APC Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody (APC-FcA65562, Clone: 4G7). Cells were not fixed. Lymphocytes were gated.



1×10^6 human PBMCs were surface stained with 0.25 ug Biotin Anti-Human ICAM-1/CD54 Rabbit RecAb (Biotin-FcA98011-4, Clone:240646A11)(red), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9)(blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed. Lymphocytes were gated.