

For Research Use Only

CoraLite® Plus 647 Anti-Rat ICAM-1/CD54 Rabbit Recombinant Antibody

Catalog Number: CL647-98060



Basic Information

Catalog Number: CL647-98060	GenBank Accession Number: NM_012967.1	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 25464	CloneNo.: 240725C2
Source: Rabbit	UNIPROT ID: Q00238	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: intercellular adhesion molecule 1	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1025	Calculated MW: 60 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : rat splenocytes,
Species Specificity: rat	

Background Information

ICAM-1 (CD54) is a 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, pH7.3

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

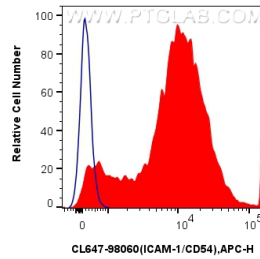
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Selected Validation Data



1×10^6 rat splenocytes were surface stained with 0.25 μ g CoraLite® Plus 647 Anti-Rat ICAM-1/CD54 Rabbit RecAb (CL647-98060, Clone: 240725C2)(red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were not fixed.