

For Research Use Only

Mouse ICAM-1/CD54 Recombinant antibody, PBS Only

Catalog Number: 82827-8-PBS



Basic Information

Catalog Number: 82827-8-PBS	GenBank Accession Number: NM_010493	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 15894	CloneNo.: 240249H6
Source: Rabbit	UNIPROT ID: P13597	
Isotype: IgG	Full Name: intercellular adhesion molecule 1	
	Calculated MW: 59 kDa	
	Observed MW: 85-110 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

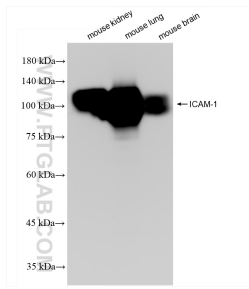
T: 4006900926

E: Proteintech-CN@ptglab.com

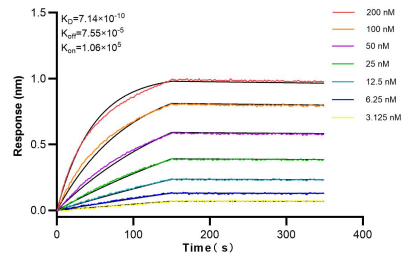
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82827-8-RR (ICAM1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82827-8-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82827-8-RR against Mouse ICAM-1 were performed. The affinity constant is 0.714 nM.