

For Research Use Only

Mouse ICAM5 Recombinant antibody, PBS Only

Catalog Number: 85941-1-PBS



Basic Information

Catalog Number: 85941-1-PBS	GenBank Accession Number: N/A	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 15898	CloneNo.: 243100H5
Source: Rabbit	UNIPROT ID: Q60625.1	
Isotype: IgG	Full Name: intercellular adhesion molecule 5, telencephalin	
Immunogen Catalog Number: EG2868	Calculated MW: 97 kDa	
	Observed MW: 150 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
mouse, rat

Background Information

ICAM-5, also known as telencephalin, is a type I integral membrane glycoprotein of the immunoglobulin superfamily. It is specifically expressed in the postnatal excitatory neuronal cell bodies, dendritic shafts, and dendritic filopodia of the telencephalon. ICAM-5 functions in both the immune and nervous systems. ICAM-5 strongly stimulates neurite outgrowth. It is cleaved by matrix metalloproteases upon activation of glutamate receptors or degraded through endocytosis resulting in increased spine maturation. The cleaved soluble fragment of ICAM-5 is immunosuppressive, which may be important in neuronal inflammatory diseases. (PMID: 10402269; 17682049; 25300135)

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, pH7.3

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

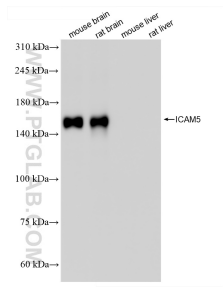
T: 4006900926

E: Proteintech-CN@ptglab.com

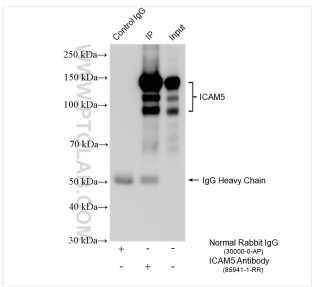
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85941-1-RR (Icam5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85941-1-PBS in a different storage buffer formulation.



IP result of anti-ICAM5 (IP:85941-1-RR, 4ug; Detection:85941-1-RR 1:4000) with mouse brain tissue lysate 2120 ug. This data was developed using the same antibody clone with 85941-1-PBS in a different storage buffer formulation.