

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	GenID (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:

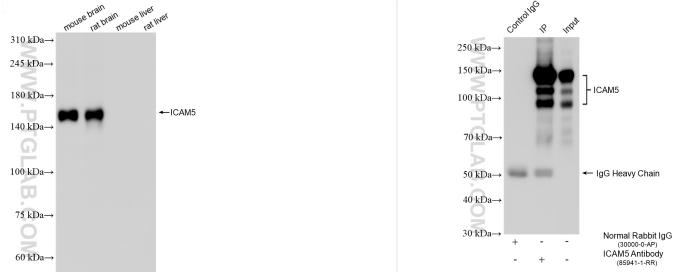
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.