

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:	
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenelD (NCBI):	
Source:	Rabbit	UNIPROT ID:	
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.

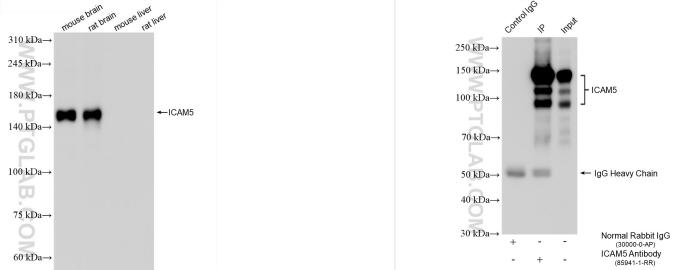
### Storage Buffer:

PBS only, pH7.3

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