

For Research Use Only

# Mouse ICAM5 Recombinant antibody, PBS Only

Catalog Number: 85941-1-PBS



## Basic Information

<b>Catalog Number:</b> 85941-1-PBS	<b>GenBank Accession Number:</b> N/A	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 15898	<b>CloneNo.:</b> 243100H5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q60625.1	
<b>Isotype:</b> IgG	<b>Full Name:</b> intercellular adhesion molecule 5, telencephalin	
<b>Immunogen Catalog Number:</b> EG2868	<b>Calculated MW:</b> 97 kDa	
	<b>Observed MW:</b> 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

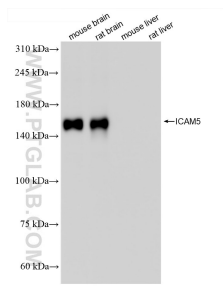
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

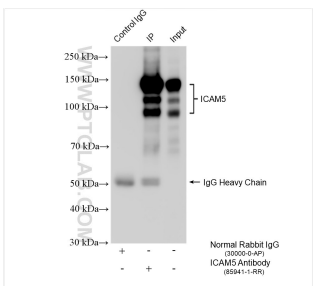
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## Selected Validation Data



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.