

For Research Use Only

# Rat CD44 Recombinant antibody, PBS Only

Catalog Number: 84369-5-PBS



## Basic Information

<b>Catalog Number:</b> 84369-5-PBS	<b>GenBank Accession Number:</b> XM_006234631.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 25406	<b>CloneNo.:</b> 241648D1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O70509	
<b>Isotype:</b> IgG	<b>Full Name:</b> Cd44 molecule	
	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 80 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
rat

## Background Information

CD44 is a type I transmembrane glycoprotein expressed on embryonic stem cells and in various levels on other cell types including connective tissues and bone marrow. CD44 expression is also upregulated in subpopulations of cancer cells and is recognized as a molecular marker for cancer stem cells (PMID: 29747682). It is a cell-surface receptor that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands (PMID: 10694938). Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis.

## 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:

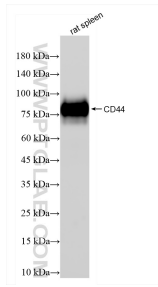
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

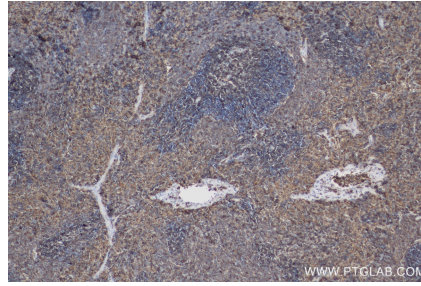
W: [ptgcn.com](http://ptgcn.com)

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

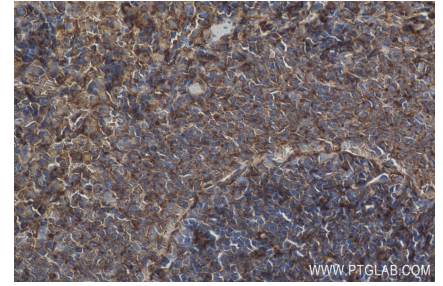
## Selected Validation Data



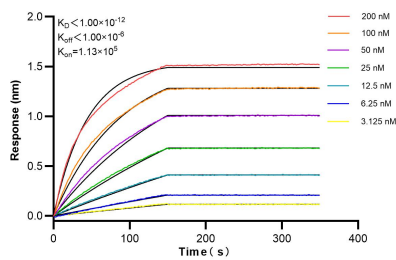
rat spleen tissue was subjected to SDS PAGE followed by western blot with 84369-5-RR (CD44 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84369-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 84369-5-RR (CD44 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84369-5-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 84369-5-RR (CD44 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84369-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84369-5-RR against Rat CD44 were performed. The affinity constant is below 1 pM.