

For Research Use Only

# CD100 Recombinant antibody, PBS Only

Catalog Number: 84465-5-PBS



## Basic Information

<b>Catalog Number:</b> 84465-5-PBS	<b>GenBank Accession Number:</b> BC054500	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10507	<b>CloneNo.:</b> 241709G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92854	
<b>Isotype:</b> IgG	<b>Full Name:</b> sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	
	<b>Calculated MW:</b> 96 kDa	
	<b>Observed MW:</b> 150 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CD100 (also known as SEMA4D), a 150 kDa homodimer, belongs to the family of immune semaphorins, and CD100 is abundantly expressed on resting T cells, NK cells, and antigen-presenting cells. As a transmembrane glycoprotein, it is digested to its soluble form, sCD100, by specific matrix metalloproteinases. CD100 has been reported that the expression levels of CD100, and one of its receptors, plexin-B1 (PLXNB1), are increased in head and neck, prostate, colon, breast, and lung cancers, and the interaction between them provides oncogenic signaling essential for tumor growth and metastasis.

## Storage

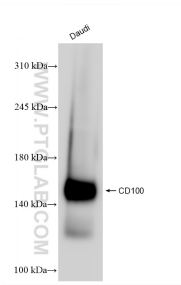
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 84465-5-RR (CD100 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84465-5-PBS in a different storage buffer formulation.