

For Research Use Only

CD100 Recombinant antibody, PBS Only

Catalog Number: 84465-9-PBS



Basic Information

Catalog Number:

84465-9-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC054500

GeneID (NCBI):

10507

UNIPROT ID:

Q92854

Full Name:

sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D

Calculated MW:

96 kDa

Observed MW:

150 kDa

Purification Method:

Protein A purification

CloneNo.:

242692F6

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.

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:

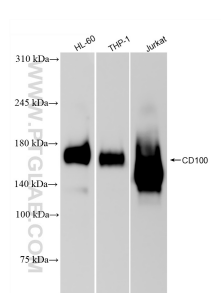
T: 4006900926

E: Proteintech-CN@ptglab.com

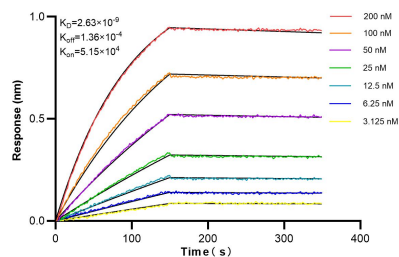
W: ptgcn.com

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 84465-9-RR (CD100 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84465-9-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84465-9-RR against Human CD100 were performed. The affinity constant is 2.63 nM.