

For Research Use Only

CD100 Recombinant antibody, PBS Only

Catalog Number: 84465-9-PBS



Basic Information

Catalog Number:

84465-9-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.

Storage Buffer:

PBS Only

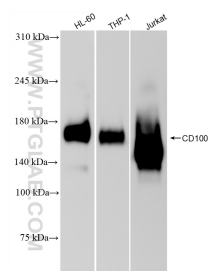
For technical support and original validation data for this product please contact:

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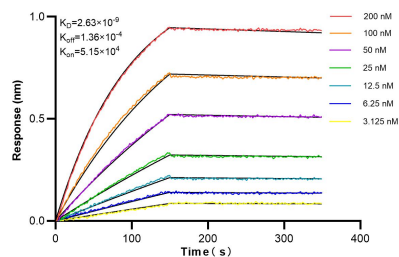
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W: ptglab.com

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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.