## For Research Use Only

## CD100 Recombinant antibody

Catalog Number:84465-5-RR



**Basic Information** 

Catalog Number: 84465-5-RR

Size: 1000 µg/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,

Calculated MW: 96 kDa Observed MW: 150 kDa

(semaphorin) 4D

**Applications** 

Tested Applications: WB, ELISA

Species Specificity:

human

Purification Method: Protein A purfication

CloneNo.: 241709G4

Recommended Dilutions: WB 1:1000-1:8000

Positive Controls:

WB: Daudi cells,

## **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:

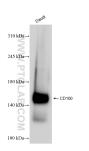
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.