

For Research Use Only

CD100 Recombinant antibody

Catalog Number: 84465-4-RR



Basic Information

Catalog Number: 84465-4-RR	GenBank Accession Number: BC054500	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10507	CloneNo.: 241708D10
Source: Rabbit	UNIPROT ID: Q92854	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	
	Calculated MW: 96 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : Jurkat cells,
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 -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

*** 20ul sizes contain 0.1% BSA

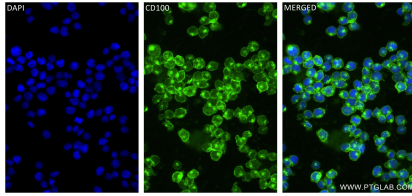
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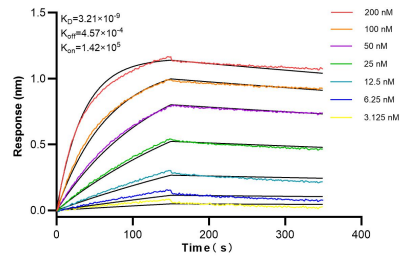
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD100 antibody (84465-4-RR, Clone: 241708D10) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84465-4-RR against Human CD100 were performed. The affinity constant is 3.21 nM.