

For Research Use Only

CD200R1 Recombinant antibody

Catalog Number: 83889-4-RR



Basic Information

Catalog Number:

83889-4-RR

Size:

100ul, Concentration: 1000 ug/ml by

Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_021325.3

GeneID (NCBI):

57781

UNIPROT ID:

Q9ES57

Full Name:

CD200 receptor 1

Calculated MW:

36 kDa

Observed MW:

36 kDa

Purification Method:

Protein A purification

CloneNo.:

240979B6

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : RAW 264.7 cells,

Background Information

Cell surface glycoprotein CD200 receptor 1 (CD200R1) is also called CD200R, CRTR2, MOX2R, and OX2R, and belongs to the CD200R family. CD200R1 is an inhibitory receptor for the CD200/OX2 cell surface glycoprotein. CD200R1 is highly glycosylated, containing ten potential N-glycosylation sites (PMID: 15187158). CD200R1 limits inflammation by inhibiting the expression of pro-inflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. As an immune inhibitory molecule, CD200R1 binds to CD200, ultimately leading to the inhibition of classical activation of macrophages and microglia (PMID: 24588829).

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

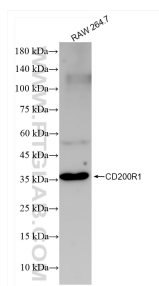
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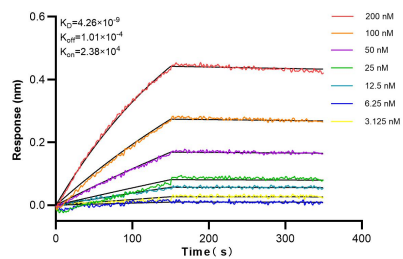
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Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 83889-4-RR (CD200R1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83889-4-RR against Mouse CD200R1 were performed. The affinity constant is 4.26 nM.