

For Research Use Only

# CD200R1 Recombinant antibody

Catalog Number:83889-4-RR



## Basic Information

**Catalog Number:**

83889-4-RR

**Size:**

1000 ug/ml

**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

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

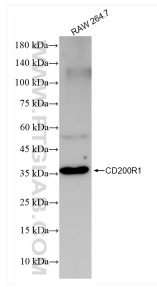
T: 4006900926

E: Proteintech-CN@ptglab.com

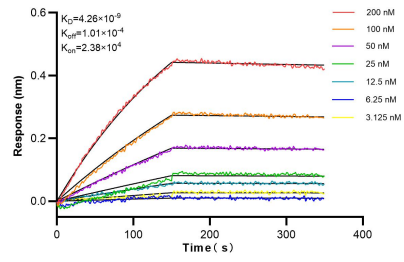
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## Selected Validation Data



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.