

## ARG82438 Mouse CD200R ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82438-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82438-002	Standard	2 X 10 ng/vial	4°C
ARG82438-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82438-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82438-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82438-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82438-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82438-008	25X Wash buffer	20 ml	4°C
ARG82438-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82438-010	STOP solution	10 ml (Ready to use)	4°C
ARG82438-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82438 Mouse CD200R ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD200R in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	CD200R
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 6.3%

**Alternate Names** MOX2R; Cell surface glycoprotein CD200 receptor 1; CD200R; Cell surface glycoprotein OX2 receptor 1; OX2R; HCRTR2; CD200 cell surface glycoprotein receptor

## Application Instructions

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**Assay Time** ~ 5 hours

## Properties

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**Form** 96 well

**Storage instruction** Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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**Gene Symbol** CD200R1

**Gene Full Name** CD200 receptor 1

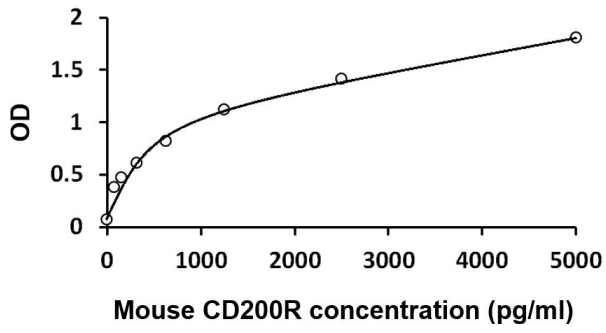
**Background** This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

**Function** Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of proinflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. Also binds to HHV-8 K14 viral CD200 homolog with identical affinity and kinetics as the host CD200. [UniProt]

**Highlight** Related products:  
[CD200R antibodies](#); [CD200R ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**PTM** The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform. [UniProt]

**Cellular Localization** Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 4: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. Isoform 3: Secreted. [UniProt]



ARG82438 Mouse CD200R ELISA Kit standard curve image

ARG82438 Mouse CD200R ELISA Kit results of a typical standard run with optical density reading at 450 nm.