

ARG82515 Human CD200R ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG82515-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82515-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82515-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82515-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82515-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82515-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82515-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82515-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82515-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82515-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82515-011 | Plate sealer | 4 strips | Room temperature |

Summary

| | |
|---------------------|---|
| Product Description | ARG82515 Human CD200R ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD200R in serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Target Name | CD200R |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 10 pg/ml |
| Sample Type | Serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Standard Range | 15.6 - 1000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 4.5% 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

Assay Time ~ 5 hours

Properties

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

Gene Symbol CD200R1

Gene Full Name CD200 receptor 1

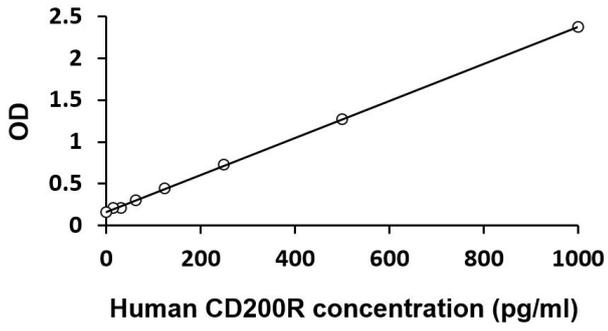
Background This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function 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]



ARG82515 Human CD200R ELISA Kit standard curve image

ARG82515 Human CD200R ELISA Kit results of a typical standard run with optical density reading at 450 nm.