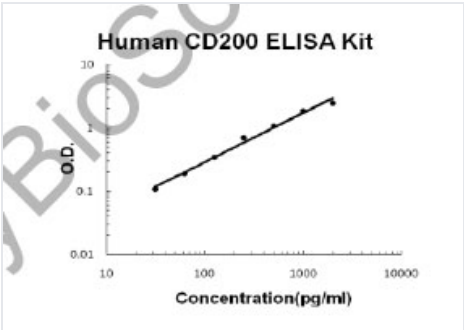
# CD200 ELISA Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | CD200, ELISA Kit |
| **Full Product Name** | Human CD200 PicoKine ELISA Kit |
| **Product Gene Name** | CD200 elisa kit |
| **Product Synonym Names** | OX-2 membrane glycoprotein; CD200 molecule; antigen identified by monoclonal antibody MRC OX-2; CD_antigen; CD200 antigen; MOX1; MOX2; MRC OX-2 antigen; My033; OX-2 membrane glycoprotein |
| **Species Reactivity** | Human |
| **Samples** | Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate) |
| **Detection Range** | 93.8pg/ml-6000pg/ml |
| **Sensitivity** | <50pg/ml |
| **Specificity** | Natural and recombinant Human CD164 |
| **Preparation and Storage** | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.) |
| **Inter-assay Precision** | Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| **Intra-assay Precision** | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision |
| **Molecular Weight** | 32,975 Da |
| **OMIM** | 155970 |
| **3D Structure** | ModBase 3D Structure for P41217 |
| **Production Time** | Due to severe delay and raw materials shortage, production time may takes between 5-8 weeks. |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for CD200 elisa kit** | Principle of the Assay: The Picokine Human CD164 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CD164 with a 96-well strip plate that is pre-coated with antibody specific for CD164. The detection antibody is a biotinylated antibody specific for CD164. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human CD164 with immunogen: Expression system for standard: NSO, Immunogen sequence: D24-D162. The kit is analytically validated with ready to use reagents. To measure Human CD164, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CD164 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CD164 in the sample. |
| **Other Notes** | Small volumes of CD200 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for CD200 purchase** | MBS177366 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CD200, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CD200. The ELISA analytical biochemical technique of the MBS177366 kit is based on CD200 antibody-CD200 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CD200 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CD200. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |




**Typical Testing Data/Standard Curve (for reference only) of CD200 elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD200. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 311033489 |
| **NCBI GeneID** | 4345 |
| **NCBI Accession #** | P41217.4 |
| **UniProt Primary Accession #** | P41217 |
| **UniProt Secondary Accession #** | Q6J2Q6; Q6PIQ4; Q8TB85; Q9H3J3; B3KQI1; B4DLW9; D3DN65 |
| **UniProt Related Accession #** | P41217 |
| **NCBI Official Full Name** | OX-2 membrane glycoprotein |
| **NCBI Official Synonym Full Names** | CD200 molecule |
| **NCBI Official Symbol** | CD200 |
| **NCBI Official Synonym Symbols** | MRC; MOX1; MOX2; OX-2 |
| **UniProt Protein Name** | OX-2 membrane glycoprotein |
| **UniProt Synonym Protein Names** | CD_antigen: CD200 |
| **Protein Family** | OX-2 membrane glycoprotein |
| **UniProt Gene Name** | CD200 |
| **UniProt Synonym Gene Names** | MOX1; MOX2 |
| **UniProt Entry Name** | OX2G_HUMAN |
| **NCBI Protein Information** | OX-2 membrane glycoprotein; CD200 antigen; MRC OX-2 antigen; antigen identified by monoclonal antibody MRC OX-2 |
| **NCBI Summary for CD200** | The protein encoded by this gene is a type-1 membrane glycoprotein, which contains two immunoglobulin domains, and thus belongs to the immunoglobulin superfamily. Studies of the related genes in mouse and rat suggest that this gene may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |

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| **UniProt Comments for CD200** | CD200: Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues. 3 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 3q13.2<br><br>Cellular Component: integral to plasma membrane; plasma membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: regulation of immune response |
| **Research Articles on CD200** | **1.** Measurement of sCD200 and/or sCD200R1 may prove a useful and rapid means of monitoring subjects at risk of bone loss. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

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