

anti-Human CD200R Antibody | anti-CD200R antibody

Anti-Hu CD200R PE

CATALOG # AAA129282	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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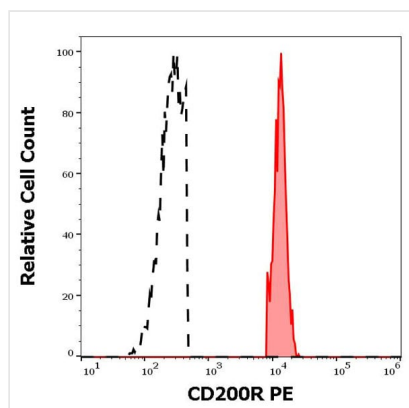
PRODUCT SYNONYMS

CD200R; Anti-Hu CD200R PE; CD200 receptor 1; OX2R; MOX2R; HCRTR2; anti-CD200R antibody

PRODUCT SPECIFICATIONS

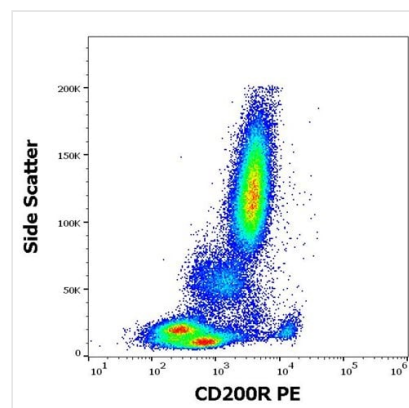
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	OX-108
Specificity	The mouse monoclonal antibody OX-108 recognizes an extracellular epitope on human CD200R, a transmembrane glycoprotein expressed on the surface of myeloid cells.
Form/Format	PE Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Applicable Applications for anti-CD200R antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human CD200R
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human CD200R positive basophil granulocytes (red-filled) from CD200R negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD200R (OX-108) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD200R (OX-108) PE antibody (10 μ l reagent / 100 μ l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD200R antibody	CD200R is a transmembrane glycoprotein, expressed on the surface of myeloid cells. Its interaction with CD200 leads in these cells to a downregulatory signal. This interaction may control myeloid function in a tissue-specific manner. Alternative splicing of CD200R gene results in multiple transcript variants. These isoforms may play a role in differentiation, e.g. regards tolerogenic dendritic cells. Besides myeloid cells, CD200R can be found also on a T cell subset.
References	*Choueiry F, Torok M, Shakya R, Agrawal K, Deems A, Benner B, Hinton A, Shaffer J, Blaser BW, Noonan AM, Williams TM, Dillhoff M, Conwell DL, Hart PA, Cruz-Monserrate Z, Bai XF, Carson WE, Mace TA: CD200 promotes immunosuppression in the pancreatic tumor microenvironment. J Immunother Cancer. 2020 Jun;8(1):e000189., URL: https://pubmed.ncbi.nlm.nih.gov/32581043/; *Koning N, Swaab DF, Hoek RM, Huitinga I: Distribution of the immune inhibitory molecules CD200 and CD200R in the normal central nervous system and multiple sclerosis lesions suggests neuron-glia and glia-glia interactions. J Neuropathol Exp Neurol. 2009 Feb;68(2):159-67., URL: https://pubmed.ncbi.nlm.nih.gov/19151626/; *Byrareddy SN, Little D, Mayne AE, Villinger F, Ansari AA: Phenotypic and functional characterization of monoclonal antibodies with specificity for rhesus macaque CD200, CD200R and mincle. PLoS One. 2015 Oct 15;10(10):e0140689., URL: https://pubmed.ncbi.nlm.nih.gov/26468886/; *Foster-Cuevas M, Wright GJ, Puklavec MJ, Brown MH, Barclay AN: Human herpesvirus 8 K14 protein mimics CD200 in down-regulating macrophage activation through CD200 receptor. J Virol. 2004 Jul;78(14):7667-76., URL: https://pubmed.ncbi.nlm.nih.gov/15220441/; *Mihirshahi R, Barclay AN, Brown MH: Essential roles for Dok2 and RasGAP in CD200 receptor-mediated regulation of human myeloid cells. J Immunol. 2009 Oct 15;183(8):4879-86., URL: https://pubmed.ncbi.nlm.nih.gov/19786546/; *Misstear K, Chanas SA, Rezaee SA, Colman R, Quinn LL, Long HM, Goodyear O, Lord JM, Hislop AD, Blackbourn DJ: Suppression of antigen-specific T cell responses by the Kaposi's sarcoma-associated herpesvirus viral OX2 protein and its cellular orthologue, CD200. J Virol. 2012 Jun;86(11):6246-57., URL: https://pubmed.ncbi.nlm.nih.gov/22491458/; *Letarte M, Voulgaraki D, Hatherley D, Foster-Cuevas M, Saunders NJ, Barclay AN: Analysis of leukocyte membrane protein interactions using protein microarrays. BMC Biochem. 2005 Mar 1;6:2. doi: 10.1186/1471-2091-6-2., URL: https://pubmed.ncbi.nlm.nih.gov/15740616/;

NCBI AND UNIPROT INFORMATION

NCBI GI #	20270365
NCBI GeneID	131450
NCBI Accession #	NP_620161.1
NCBI GenBank Nucleotide #	NM_138806.3
UniProt Accession #	Q8TD46; Q52LJ7; Q6IS95; Q6UW94; Q6WHB8; Q8TD44; Q8TD45; Q8TD52; B3KWZ9; E9PCM9
Molecular Weight	36,620 Da
NCBI Official Full Name	cell surface glycoprotein CD200 receptor 1 isoform a
NCBI Official Synonym Full Names	CD200 receptor 1
NCBI Official Symbol	CD200R1
NCBI Official Synonym Symbols	OX2R; MOX2R; CD200R; HCRT2
NCBI Protein Information	cell surface glycoprotein CD200 receptor 1; MOX2 receptor; CD200 cell surface glycoprotein receptor; cell surface glycoprotein OX2 receptor 1; cell surface glycoprotein receptor CD200
UniProt Protein Name	Cell surface glycoprotein CD200 receptor 1
UniProt Gene Name	CD200R1
UniProt Synonym Gene Names	CD200R; CRTR2; MOX2R; OX2R
UniProt Entry Name	MO2R1_HUMAN

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