10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD200R Rabbit pAb

Catalog # AP97239

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8TD46
Other Accession	Q8TD46
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39041
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CD200R
Epitope Specificity	151-250/325
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the CD200R family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Post-translational modifications	The mature form of isoform 2 and/or isoform 4 starts at sequence position 27 of the corresponding isoform.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	131450
Other Names	CD200R; HCRTR2; MOX2R; OX2R; MO2R1_HUMAN; CD200R1; CD200 cell surface glycoprotein receptor; Cell surface glycoprotein OX2 receptor 1; CRTR2; CD200 receptor 1; MOX2 receptor
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=2 □g/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CD200R1
Synonyms	CD200R, CRTR2, MOX2R, OX2R
Function	Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of pro- inflammatory molecules including TNF, 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.
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 2]: Secreted.
Tissue Location	Expressed in granulocytes, monocytes, most T-cells, neutrophils, basophils and a subset of NK, NKT and B-cells (at protein level). Expressed in bone marrow, lymph nodes, spleen, lung, liver, spinal cord, kidney. Expressed in monocyte-derived dendritic and mast cells.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.