

**CD200R1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16040b****Specification**

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**CD200R1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q8TD46](#)

**CD200R1 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 131450

**Other Names**

Cell surface glycoprotein CD200 receptor 1, CD200 cell surface glycoprotein receptor, Cell surface glycoprotein OX2 receptor 1, CD200R1, CD200R, CRTR2, MOX2R, OX2R

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CD200R1 Antibody (C-term) Blocking Peptide - 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-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.

**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.

## **CD200R1 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **CD200R1 Antibody (C-term) Blocking Peptide - Images**

## **CD200R1 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a receptor for the OX-2 membraneglycoprotein. Both the receptor and substrate are cell surfaceglycoproteins containing two immunoglobulin-like domains. Thisreceptor is restricted to the surfaces of myeloid lineage cells andthe receptor-substrate interaction may function as a myeloiddownregulatory signal. Mouse studies of a related gene suggest thatthis interaction may control myeloid function in a tissue-specificmanner. Alternative splicing of this gene results in multipletranscript variants.

## **CD200R1 Antibody (C-term) Blocking Peptide - References**

Luo, X.G., et al. Neurochem. Res. 35(4):540-547(2010)Mihirshahi, R., et al. J. Immunol. 183(8):4879-4886(2009)Koning, N., et al. J. Neuropathol. Exp. Neurol. 68(2):159-167(2009)Meuth, S.G., et al. J. Neuroimmunol. 194 (1-2), 62-69 (2008) :Wang, X.J., et al. J Neuroimmune Pharmacol 2(3):259-264(2007)