Rabbit Anti-Human CD200 Receptor 1-like Monoclonal Antibody

Cat. No. CAB11492RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rabbit monoclonal antibody to human CD200 receptor 1-like.
Species	Human
Source	Rabbit
Antigen Description	Cell surface glycoprotein CD200 receptor 2, also known as Cell surface glycoprotein CD200 receptor 1-like, Cell surface glycoprotein OX2 receptor 2, CD200 receptor-like 2, CD200Rla, CD200R1L and CD200R2, is a single-pass type I membrane protein which belongs to the CD200R family. CD200R1L / CD200R2. It contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. CD200 is a transmembrane protein delivering immunoregulatory signals after engagement of CD200R. A family of CD200Rs exist (CD200R1, CD200R2, CD200R3, CD200R4) with different tissue expression and functional activity. In the presence of anti-CD200R2 / CD200R3 monoclonal antibodies (mAbs), bone-marrow cells cultured in the presence of (interleukin [IL]-4+granulocyte-macrophage colony-stimulating factor) differentiate into dendritic cells (DCs), which induce CD4+CD25+ Treg. Interaction between the relatively ubiquitously expressed molecule CD200 and one of its receptors, CD200R1, resulted in direct suppression of alloreactivity, engagement of alternate receptors led instead to altered differentiation of dendritic cells (DCs) from marrow precursors, which could in turn foster development of Foxp3(+) regulatory T cells. Unlike anti-CD200R1, anti-CD200R2 both promotes development of DCs with capacity to induce Treg and directly augments thymocyte

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	production of Treg.
Specificity	Human CD200R1L / CD200R2. No cross-reactivity with human cell lysate (293 cell line) in WB and ELISA.
Immunogen	Recombinant human CD200R1L protein
Isotype	Rabbit IgG
Clone	112
Applications	Western Blot; ELISA
Dilution	Western blot: This antibody can be used at 1 - 2μg/mL with the appropriate secondary reagents to detect human CD200R1L in WB. Using a DAB detection system, the detection limit for human CD200R1L is approximately 0.25 ng/lane under non-reducing conditions and 1 ng/lane under reducing conditions.Direct ELISA: This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect human CD200R1L. The detection limit for human CD200R1L is approximately 0.00245 ng/well.
Preparation	This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant human CD200R1L.
Format	0.2 μm filtered solution in PBS with 5% trehalose
Storage	This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 °C to -70 °C. Preservative-Free.Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	disposed of properly. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	CD200R1L CD200 receptor 1-like [Homo sapiens]
Official Symbol	CD200R1L
Synonyms	CD200R1L; CD200 receptor 1-like; cell surface glycoprotein CD200 receptor 2; CD200 receptor 2; CD200R2; CD200RLa; huCD200R2; CD200 receptor-like 2; cell surface glycoprotein OX2 receptor 2; CD200 cell surface glycoprotein receptor 2; CD200 cell surface glycoprotein receptor-like 2; CD200 cell surface glycoprotein receptor-like a; cell surface glycoprotein CD200 receptor 1-like;
Gene ID	344807
mRNA Refseq	NM_001008784
Protein Refseq	NP_001008784
UniProt ID	Q6Q8B3
Chromosome Location	3q13.2
Function	receptor activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA