

Human Cell surface glycoprotein CD200 receptor 2 (CD200R1L) ELISA Kit



Catalog No: #EK11656

Orders: order@signalwayantibody.com

Package Size: #EK11656-1 48T #EK11656-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Cell surface glycoprotein CD200 receptor 2 (CD200R1L) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CD200R2; CD200RLa; CD200 cell surface glycoprotein receptor 2 CD200 receptor 2
Accession No.	Q6Q8B3
Uniprot	Q6Q8B3
GeneID	344807;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.78-50 ng/mL

Sensitivity:0.34 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CD200R1L in samples. An antibody specific for CD200R1L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCD200R1L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CD200R1L is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CD200R1L bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CD200 delivers immunoregulatory signals following engagement of its receptor, CD200R. A family of CD200Rs (CD200R1-4) has been described. Spleen expresses cell surface CD200R1, while bone marrow shows predominantly expression of cell surface CD200R2/R3. Dendritic cell precursors (DCp) cultured with anti-CD200R2/3 develop the capacity to induce CD4(+)CD25(+) regulatory T cells (Treg) from peripheral lymphocytes. Foxp3(+) CD4(+)CD25(+) Treg were derived from 60-hr thymocyte and splenocyte T cell cultures using both DC populations. Cloned C3H Treg (Foxp3(+)) suppressed both C3H anti-BL/6 reactivity in a fresh MLC and rejection of BL/6 skin allografts in C3H recipients; the converse was true for BL/6 Treg. CD200 triggering of bone-marrow DCs in the absence of CD200R1 engagement induces CD4(+)CD25(+) Treg, and these cloned antigen-specific Treg may have clinical utility.

Note: This product is for in vitro research use only