



Rabbit Anti-Human CD200RLa monoclonal antibody, clone S319 (CABT-ZB537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human CD200RLa
Target	CD200R2
Immunogen	Recombinant Human CD200RLa Protein
Isotype	IgG1
Source/Host	Rabbit
Species Reactivity	Human
Clone	S319
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB537 - CABT-ZB900 This antibody will detect CD200RLa in antibody pair set. [ABPR-ZB113]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD200RLa.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-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 -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Cell surface glycoprotein CD2 receptor 2, also known as Cell surface glycoprotein CD2 receptor 1-like, Cell surface glycoprotein OX2 receptor 2, CD2 receptor-like 2, CD2R1a, CD2R1L and CD2R2, is a single-pass type I membrane protein which belongs to the CD2R family. CD2R1L/CD2R2. It contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. CD2 is a transmembrane protein delivering immunoregulatory signals after engagement of CD2R. A family of CD2Rs exist (CD2R1, CD2R2, CD2R3, CD2R4) with different tissue expression and functional activity. In the presence of anti-CD2R2/CD2R3 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 CD2 and one of its receptors, CD2R1, 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-CD2R1, anti-CD2R2 both promotes development of DCs with capacity to induce Treg and directly augments thymocyte production of Treg.
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Keywords	CD200 receptor 2, CD200R2, CD200RLa
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GENE INFORMATION

Synonyms	CD200 receptor 2, CD200R2, CD200RLa
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Entrez Gene ID	344807
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UniProt ID	Q6Q8B3
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