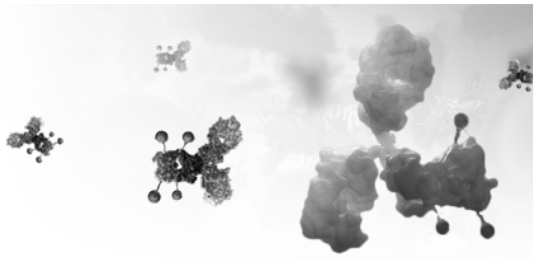

Mouse Anti-Human CD200RLa monoclonal antibody, clone NN10 (CABT-ZB900)

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

PRODUCT INFORMATION

Specificity	It reacts with Human CD200RLa It has no cross-reactivity in ELISA with Human cell lysate (293 cell line).
Target	CD200RL
Immunogen	Recombinant Human CD200RLa/CD200R1L protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN10
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) 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 produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD200RLa / CD200R1L. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid

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Concentration	Lot specific
Size	50 µL, 100 µL, 200 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, CD2Rla, CD2R1L and CD2R2, is a single-pass type I membrane protein which belongs to theCD2R family. CD2R1L/CD2R2. It contains oneIg-like C2-type (immunoglobulin-like) domain and oneIg-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.
Keywords	CD200 receptor 2, CD200R2, CD200RLa

GENE INFORMATION

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

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