

For Research Use Only

FcZero-rAb™ Biotin Anti-Human CD23 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98088



Basic Information

Catalog Number:	Biotin-FcA98088	GenBank Accession Number:	BC064417	Purification Method:	Protein A purification
Concentration:	100ug, 500 ug/ml	GenID (NCBI):	2208	CloneNo.:	241270C6
Source:	Rabbit	UNIPROT ID:	P06734	Recommended Dilutions:	FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype:	IgG	Full Name:	Fc fragment of IgE, low affinity II, receptor for (CD23)	Excitation/Emission maxima wavelengths:	-
		Calculated MW:	321 aa, 36 kDa		

Applications

Tested Applications:	Positive Controls:
FC	FC : human PBMCs,

Species Specificity:
human

Background Information

CD72 is a type II transmembrane glycoprotein of 39-45 kDa and is expressed as a disulphide-linked homodimer (PMID: 1711157). CD72 is a pan B-cell marker covering the full range of differentiation from the very early stages of B cells to mature surface Ig+ B cells (PMID: 1384316). It is expressed in all stages of B cell development except plasma cells. CD72 is also expressed by dendritic cells, tissue macrophages in the red pulp of the spleen and von Kupffer cells in the liver (PMID: 8561576; 1384316). CD72 is the ligand for CD5 (PMID: 1711157). CD72 is a negative regulator of BCR signaling (PMID: 9590210). Interaction of CD100 with CD72 strictly tunes the strength of BCR signals and is essential for maintaining immunological homeostasis as well as generating a proper immune response (PMID: 16113236).

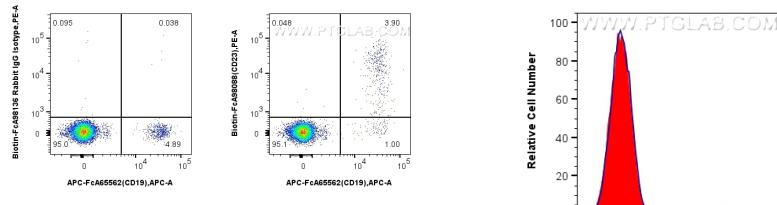
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD23 Rabbit RecAb (Biotin-FcA98088, Clone:241270C6), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb™ APC Anti-Human CD19 (4G7) Rabbit IgG Recombinant Antibody (APC-FcA65562, Clone: 4G7). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD23 Rabbit RecAb (Biotin-FcA98088, Clone:241270C6) (red), or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue) and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed. Lymphocytes were gated.