

For Research Use Only

FcZero-rAb® Biotin Anti-Mouse BTLA/CD272 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98246-2



Basic Information

Catalog Number:

Biotin-FcA98246-2

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1843

GenBank Accession Number:

AA108964.1

GeneID (NCBI):

208154

UNIPROT ID:

Q32MV9

Full Name:

B and T Lymphocyte associated

Calculated MW:

34kDa

Purification Method:

Protein A purification

CloneNo.:

242133A1

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC, ELISA

Species Specificity:

mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

BTLA, also known as CD272, is a member of the CD28 superfamily and is a type I membrane glycoprotein identified as an inhibitory receptor (PMID: 33859648). BTLA is extensively expressed in lymph nodes, thymus, and spleen, with little or no expression in organs such as the heart, kidney, brain, and liver (PMID: 33859648). Among immune cells, BTLA is primarily expressed in B and T cells, with higher expression in B cells compared to T cells in the mouse spleen (PMID: 33859648). BTLA plays a crucial role in regulating stimulatory and inhibitory signals in immune responses.

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

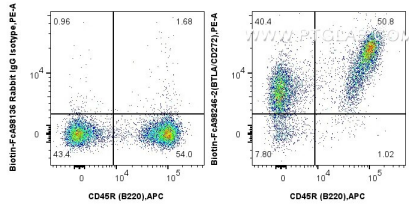
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

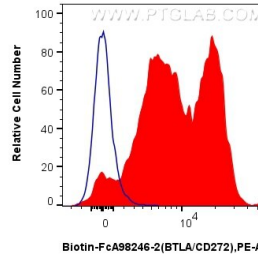
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse BTLA/CD272 Rabbit RecAb (Biotin-FcA98246-2, Clone:242133A1) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with APC Anti-Mouse CD45R (B220). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse BTLA/CD272 Rabbit RecAb (Biotin-FcA98246-2, Clone: 242133A1) (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.