

For Research Use Only

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

Catalog Number: Biotin-FcA98246-2



## Basic Information

<b>Catalog Number:</b> Biotin-FcA98246-2	<b>GenBank Accession Number:</b> AA108964.1	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 500 ug/ml	<b>GeneID (NCBI):</b> 208154	<b>CloneNo.:</b> 242133A1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q32MV9	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> B and T Lymphocyte associated	<b>Excitation/Emission maxima wavelengths:</b> -
<b>Immunogen Catalog Number:</b> EG1843	<b>Calculated MW:</b> 34kDa	

## Applications

<b>Tested Applications:</b> FC, ELISA	<b>Positive Controls:</b> FC : mouse splenocytes,
<b>Species Specificity:</b> mouse	

## 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:

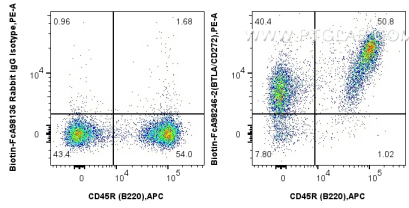
T: 4006900926

E: Proteintech-CN@ptglab.com

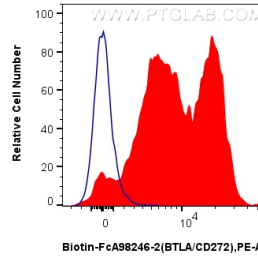
W: ptgcn.com

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## Selected Validation Data



1x10<sup>6</sup> 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.



1x10<sup>6</sup> 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.