

For Research Use Only

# CoraLite®594 Anti-Mouse BTLA/CD272 Rabbit Recombinant Antibody

Catalog Number:CL594-98246-2



## Basic Information

Catalog Number:

CL594-98246-2

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 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

FC

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

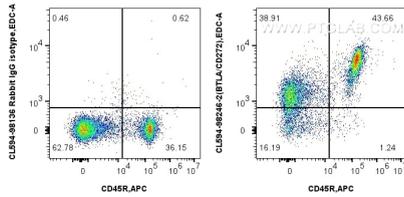
For technical support and original validation data for this product please contact:

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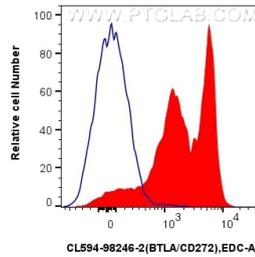
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1x10<sup>6</sup> mouse splenocytes were surface stained with APC Anti-Mouse CD45R (B220) (RA3-6B2) (APC-65139, Clone: RA3-6B2), and 0.25 ug CoraLite®594 Anti-Mouse BTLA/CD272 Rabbit RecAb (CL594-98246-2, Clone: 242133A1) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9). Cells were not fixed.



1x10<sup>6</sup> mouse splenocytes were surface stained with 0.25 ug CoraLite®594 Anti-Mouse BTLA/CD272 Rabbit RecAb (CL594-98246-2, Clone: 242133A1) (red) or CoraLite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were not fixed.