

For Research Use Only

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

Catalog Number: APC-FcA98246-2



Basic Information

Catalog Number: APC-FcA98246-2	GenBank Accession Number: AA108964.1	Purification Method: Protein A purification
Size: 100ug , 200 ug/ml	GeneID (NCBI): 208154	CloneNo.: 242133A1
Source: Rabbit	UNIPROT ID: Q32MV9	Recommended Dilutions: FC: 0.1 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: B and T Lymphocyte associated	Excitation/Emission maxima wavelengths: 650 nm / 660 nm
Immunogen Catalog Number: EG1843	Calculated MW: 34kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse splenocytes,
Species Specificity: 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.

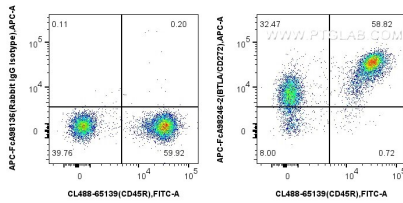
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

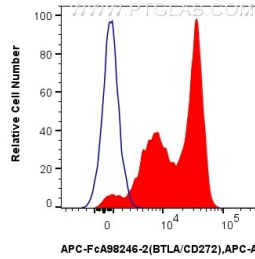
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 Coralite® Plus 488 Anti-Mouse CD45R (B220) (RA3-6B2), or 0.1 ug APC Anti-Mouse BTLA/CD272 Rabbit RecAb (APC-FcA98246-2, Clone: 242133A1) or FcZero-rAb™ APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.1 ug APC Anti-Mouse BTLA/CD272 Rabbit RecAb (APC-FcA98246-2, Clone: 242133A1) (red) or FcZero-rAb™ APC Rabbit IgG Isotype Control Recombinant Antibody (APC-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.