For Research Use Only

CoraLite® Plus 647 Anti-Human BTLA/CD272 Rabbit Recombinant Antibody

Catalog Number:CL647-98096

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL647-98096

Size:
100tests , 5 ul/test

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC107091

GeneID (NCBI):
151888

UNIPROT ID:
Q7Z6A9

Full Name:
B and T lymphocyte associated

Calculated MW:
289 aa, 33 kDa

Purification Method:
Protein A purification

CloneNo.:
241318H5

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

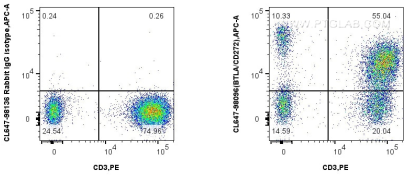
BTLA (B and T lymphocyte attenuator), also known as CD272, is a member of the CD28 superfamily and is a type I membrane glycoprotein identified as an inhibitory receptor (PMID: 33859648). BTLA is extensively expressed in lymph nodes, thymus, and spleen, with little or no expression in organs such as 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

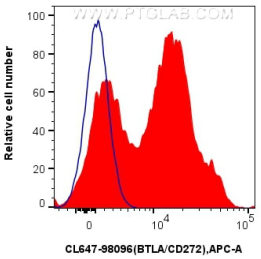
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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

Selected Validation Data



1x10^6 human PBMCs were surface stained with PE Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody (PE-65569, Clone: OKT3), and 5 ul CoraLite® Plus 647 Anti-Human BTLA/CD272 Rabbit RecAb (CL647-98096, Clone: 241318H5) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10^6 human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human BTLA/CD272 Rabbit RecAb (CL647-98096, Clone:241318H5)(red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.