

For Research Use Only

CoraLite® Plus 647 Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: CL647-98167



Basic Information

Catalog Number:

CL647-98167

Size:

100ug , 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1220

GenBank Accession Number:

NM_008479.2

GeneID (NCBI):

16768

UNIPROT ID:

Q61790

Full Name:

Lymphocyte-activation gene 3

Calculated MW:

57kDa

Purification Method:

Protein A purification

CloneNo.:

241294E11

Recommended Dilutions:

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

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : Anti-CD3/CD28 treated mouse splenocytes,

Background Information

Lymphocyte activation gene 3 protein (LAG-3), also known as CD223, is a type I transmembrane protein belonging to the immunoglobulin superfamily (PMID: 1692078). It is a CD4-related molecule that binds MHC class II with high affinity (PMID: 1692078; 9159144). LAG-3 is expressed on activated T and NK cells. Besides, natural CD4(+)CD25(+) Tregs express LAG-3 upon activation (PMID: 15485628). LAG-3 negatively regulates T-cell function and homeostasis, and contributes to the suppressor activity of Tregs (PMID: 14644131; 15485628).

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

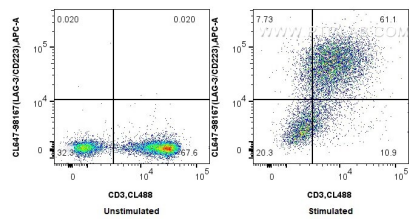
For technical support and original validation data for this product please contact:

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

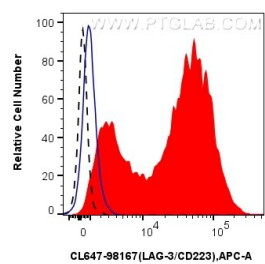
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with Coralite® Plus 488 Anti-Human CD3 and 0.25 ug Coralite® Plus 647 Anti-Mouse LAG-3/CD223 Rabbit RecAb (CL647-98167, Clone: 241294E11). Cells were not fixed.



1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Coralite® Plus 647 Anti-Mouse LAG-3/CD223 Rabbit RecAb (CL647-98167, Clone:241294E11) (red) or Coralite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug Coralite® Plus 647 Anti-Mouse LAG-3/CD223 Rabbit RecAb (CL647-98167, Clone: 241294E11) (black,

