

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	GenBank Accession Number: NM_008479.2	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 16768	CloneNo.: 241294E11
Source: Rabbit	UNIPROT ID: Q61790	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: lymphocyte-activation gene 3	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1220	Calculated MW: 57kDa	

Applications

Tested Applications: FC	Positive Controls: FC : Anti-CD3/CD28 treated mouse splenocytes,
Species Specificity: mouse	

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:

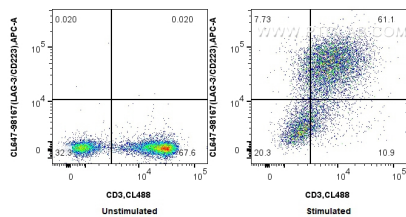
T: 4006900926

E: Proteintech-CN@ptglab.com

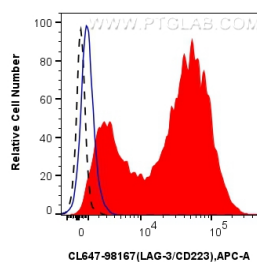
W: ptgcn.com

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, dashed).