

For Research Use Only

Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: 98167-1-RR



Basic Information

Catalog Number: 98167-1-RR	GenBank Accession Number: NML_008479.2	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 16768	CloneNo.: 241294E11
Source: Rabbit	UNIPROT ID: Q61790	
Isotype: IgG	Full Name: lymphocyte-activation gene 3	
	Calculated MW: 57kDa	

Applications

Tested Applications:
FC

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. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

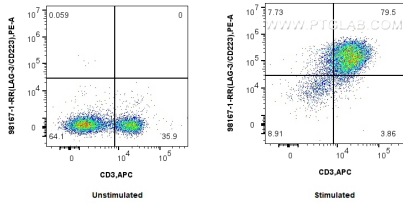
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E: Proteintech-CN@ptglab.com

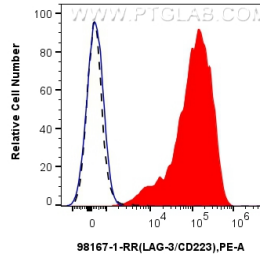
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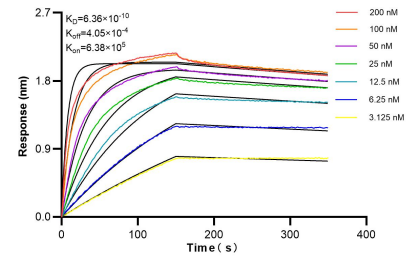
Selected Validation Data



1×10^6 untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 μ g Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody (98167-1-RR, Clone: 241294E11) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1×10^6 anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 μ g Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody (98167-1-RR, Clone: 241294E11) (red) or Isotype Control (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1×10^6 untreated mouse splenocytes were surface stained with 0.25 μ g Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody (98167-1-RR, Clone:241294E11) (black, dashed) and PE-Conjugated Goat Anti-Rabbit



Bi-layer interferometry (BLI) kinetic assays of 98167-1-RR against Mouse LAG-3/CD223 were performed. The affinity constant is 0.636 nM.