

For Research Use Only

# FcZero-rAb® Biotin Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98167



## Basic Information

<b>Catalog Number:</b> Biotin-FcA98167	<b>GenBank Accession Number:</b> NM_008479.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 500 ug/ml	<b>GeneID (NCBI):</b> 16768	<b>CloneNo.:</b> 241294E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q61790	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> lymphocyte-activation gene 3	<b>Excitation/Emission maxima wavelengths:</b> -
<b>Immunogen Catalog Number:</b> EG1220	<b>Calculated MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : anti-CD3/CD28 treated mouse splenocytes,
<b>Species Specificity:</b> 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).

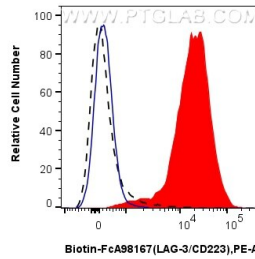
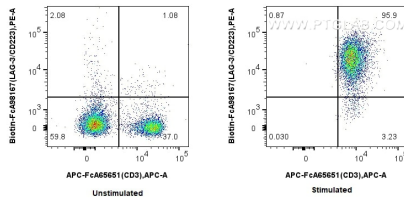
## Storage

**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: 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

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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (APC-FcA65651, Clone: 145-2C11). Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse LAG-3/CD223 Rabbit RecAb (Biotin-FcA98167, Clone: 241294E11) (black,

