

For Research Use Only

# Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98167-1-PBS



## Basic Information

Catalog Number:

98167-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

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

## 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

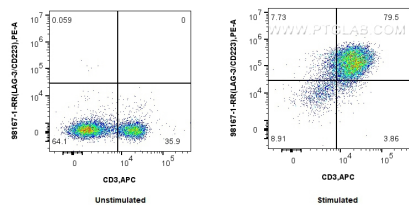
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

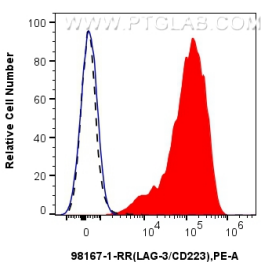
W: [ptgcn.com](http://ptgcn.com)

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

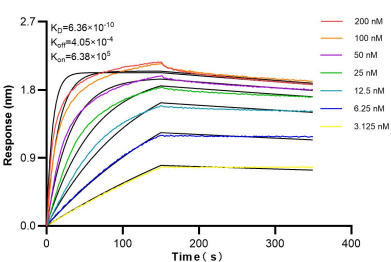
## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug 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. This data was developed using the same antibody clone with 98167-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug 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). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody (98167-1-RR, Clone:241294E11) (black, dashed) and PE-Conjugated Goat Anti-Rabbit



Bioluminescence resonance energy transfer (BLI) kinetic assays of 98167-1-RR against Mouse LAG-3/CD223 were performed. The affinity constant is 0.636 nM.