

For Research Use Only

# Anti-Mouse LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: 98167-1-RR

1 Publications



## Basic Information

Catalog Number:

98167-1-RR

Size:

100ug , 1000 µg/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

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in 100 µl suspension

## Applications

Tested Applications:

FC

Cited Applications:

WB

Species Specificity:

mouse

Cited Species:

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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chenxing Zhang	40168918	Mol Immunol	WB

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

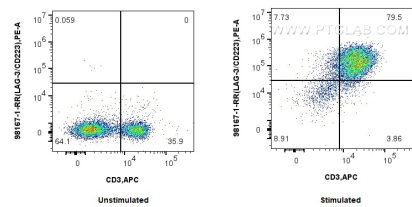
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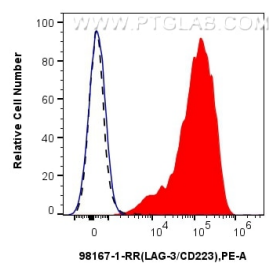
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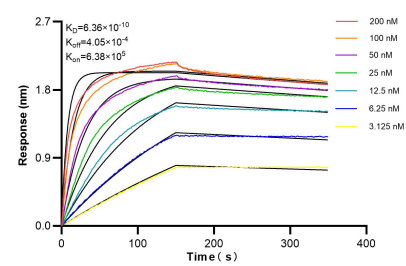
Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug 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.



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-



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