

For Research Use Only

Anti-Human LAG-3/CD223 Rabbit Recombinant Antibody

Catalog Number: 98435-2-RR



Basic Information

Catalog Number:

98435-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG31550

GenBank Accession Number:

NM_002286

GeneID (NCBI):

3902

UNIPROT ID:

P18627

Full Name:

Lymphocyte-activation gene 3

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

243086D4

Recommended Dilutions:

FC: 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : Anti-CD3/CD28 and IL-2 treated human PBMCs,

Background Information

LAG-3, also known as CD223, is an immune checkpoint molecule that regulates both T-cell activation and homeostasis. LAG-3 is expressed on activated T cells, NK cells, regulatory T cells, and plasmacytoid dendritic cells. It is a CD4-related molecule that binds MHC class II. LAG-3 plays an important role in modulating T cell expansion and function, and blockade of LAG-3 with monoclonal antibodies can augment T cell function. (PMID: 15634887; 21086108; 28783703)

Storage

Storage:

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

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

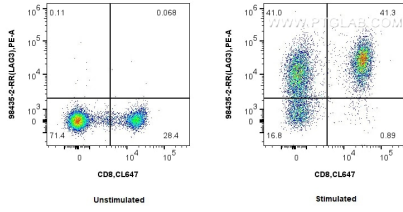
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

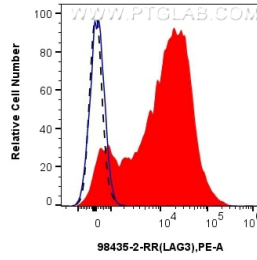
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W: ptglab.com

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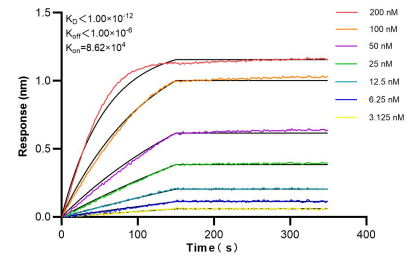
Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 and IL-2 treated human PBMCs were surface stained with 0.25 ug Anti-Human LAG-3/CD223 Rabbit RecAb (98435-2-RR, Clone: 243086D4) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoralLite® Plus 647 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL647-65559, Clone: UCHT4). Cells were not fixed.



1x10⁶ anti-CD3/CD28 and IL-2 treated human PBMCs were surface stained with 0.25 ug Anti-Human LAG3 Rabbit RecAb (98435-2-RR, Clone: 243086D4) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human PBMCs were surface stained with 0.25 ug Anti-Human LAG3 Rabbit RecAb (98435-2-RR, Clone: 243086D4) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (black, dashed).



Bi-layer interferometry (BLI) kinetic assays of 98435-2-RR against Human LAG-3/CD223 were performed. The affinity constant is below 1 pM.