

For Research Use Only

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

Catalog Number: 98435-3-PBS



## Basic Information

<b>Catalog Number:</b> 98435-3-PBS	<b>GenBank Accession Number:</b> NM_002286	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1mg, 3000 µg/ml	<b>GeneID (NCBI):</b> 3902	<b>CloneNo.:</b> 243086H8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18627	
<b>Isotype:</b> IgG	<b>Full Name:</b> lymphocyte-activation gene 3	
<b>Immunogen Catalog Number:</b> EG31550	<b>Calculated MW:</b> 57 kDa	

## Applications

**Tested Applications:**  
IHC, FC

**Species Specificity:**  
human

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

**Storage Buffer:**  
PBS only, pH7.3

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

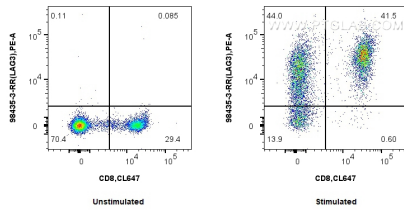
T: 4006900926

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

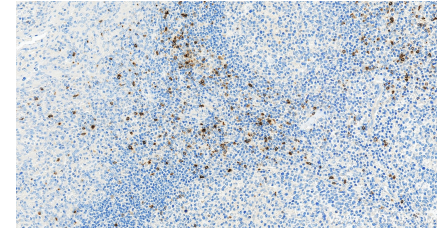
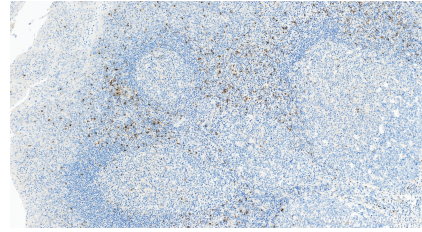
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data

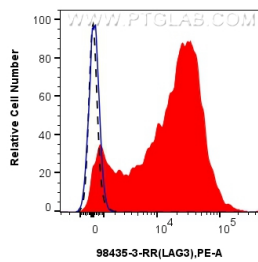


1x10<sup>6</sup> untreated or anti-CD3/CD28 and IL-2 treated human PBMCs were surface stained with 0.25 ug Anti-Human LAG3 Rabbit RecAb (98435-3-RR, Clone:243086H8) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with CoraLite® Plus 647 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL647-65559, Clone: UCHT4). Cells were not fixed. This data was developed using the same antibody clone with 98435-3-PBS in a different storage buffer

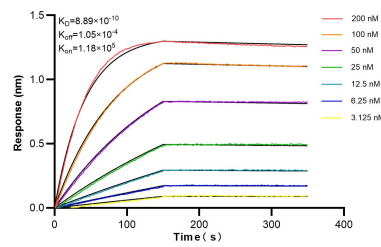


Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98435-3-RR (LAG3 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98435-3-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 98435-3-RR (LAG3 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 98435-3-PBS in a different storage buffer formulation.



1x10<sup>6</sup> anti-CD3/CD28 and IL-2 treated human PBMCs were surface stained with 0.25 ug Anti-Human LAG3 Rabbit RecAb (98435-3-RR, Clone: 243086H8) (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). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug Anti-Human LAG3 Rabbit RecAb (98435-3-RR, Clone: 243086H8) and PE-Conjugated Goat Anti-Rabbit IgG(H+L) (black, dashed). Cells



Bilayer interferometry (BLI) kinetic assays of 98435-3-RR against Human LAG-3/CD223 were performed. The affinity constant is 0.889 nM.