

For Research Use Only

# LAG-3/CD223 Recombinant antibody, PBS Only

Catalog Number: 80867-1-PBS



## Basic Information

<b>Catalog Number:</b> 80867-1-PBS	<b>GenBank Accession Number:</b> NM_002286	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3902	<b>CloneNo.:</b> 1F14
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18627	
<b>Isotype:</b> IgG	<b>Full Name:</b> lymphocyte-activation gene 3	
	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## 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

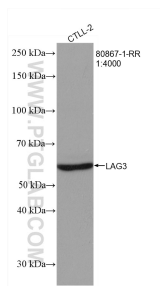
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

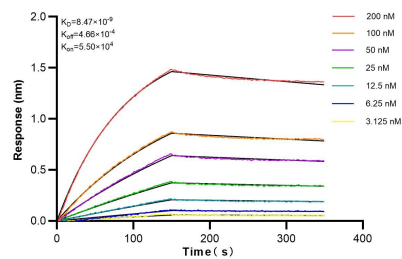
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## Selected Validation Data



CTLL-2 cells were subjected to SDS PAGE followed by western blot with 80867-1-RR (LAG-3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80867-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 80867-1-RR against Human LAG-3/CD223 were performed. The affinity constant is 8.47 nM.