

For Research Use Only

LAG-3/CD223 Recombinant antibody, PBS Only

Catalog Number: 80867-1-PBS



Basic Information

Catalog Number:

80867-1-PBS

Size:

1mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002286

GeneID (NCBI):

3902

UNIPROT ID:

P18627

Full Name:

lymphocyte-activation gene 3

Calculated MW:

57 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

1F14

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.

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:

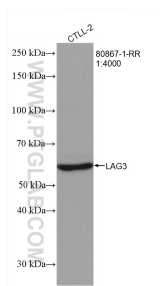
T: 4006900926

E: Proteintech-CN@ptglab.com

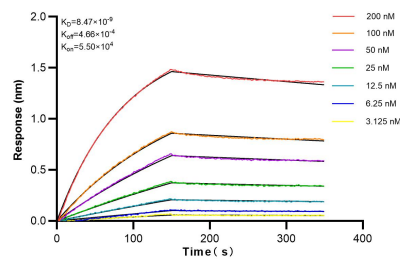
W: ptgcn.com

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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.