

For Research Use Only

LAG-3/CD223 Recombinant antibody

Catalog Number: 80867-1-RR

2 Publications



Basic Information

Catalog Number:

80867-1-RR

Size:

100ul, Concentration: 800 ug/ml by Nanodrop;

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

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB: CTLL-2 cells,

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)

Notable Publications

Author	Pubmed ID	Journal	Application
Youwei Lu	38849009	Cancer Lett	IF
Yongdong Yi	37290894	Cancer Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

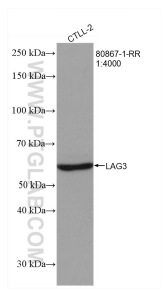
For technical support and original validation data for this product please contact:

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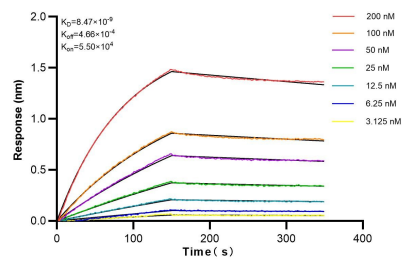
E: proteintech@ptglab.com
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Selected Validation Data



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.



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