

For Research Use Only

# LAG-3/CD223 Recombinant antibody

Catalog Number: 83941-7-RR



## Basic Information

Catalog Number: 83941-7-RR	GenBank Accession Number: NM_008479.2	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 16768	CloneNo.: 241007B1
Source: Rabbit	UNIPROT ID: Q61790	Recommended Dilutions: IHC 1:500-1:2000
Isotype: IgG	Full Name: lymphocyte-activation gene 3	
Immunogen Catalog Number: EG1220	Calculated MW: 57kDa	

## Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse spleen tissue,
Species Specificity: mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

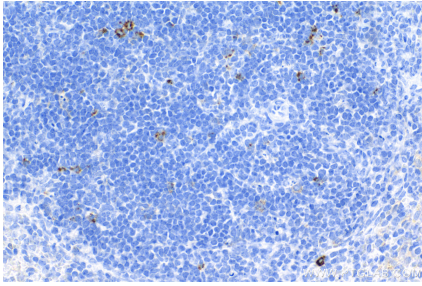
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

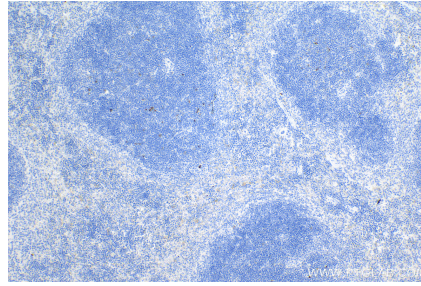
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83941-7-RR (LAG-3/CD223 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83941-7-RR (LAG-3/CD223 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).