

Datasheet for ABIN7320610

**LAG3 Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	LAG3
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAG3 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse LAG3 Protein (His Tag)(Active)
Sequence:	Ser23-Leu442
Characteristics:	Recombinant Mouse Lymphocyte Activation Gene 3 Protein is produced by our Mammalian expression system and the target gene encoding Ser23-Leu442 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse LAG-3-His at 10µg/ml(100 µl/well) can bind Biotinylated Human FGL1-Avi. The ED50 of Mouse LAG-3-His is 9.4 ug/ml.

## Target Details

Target:	LAG3
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## Target Details

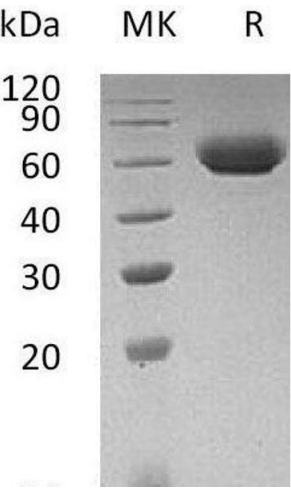
Alternative Name:	LAG3 ( <a href="#">LAG3 Products</a> )
Background:	<p>Background: Lymphocyte-activation gene 3 (LAG3), also known as CD223, is a type I transmembrane protein with four extracellular Ig-like domains, designated D1 to D4 and belongs to the immunoglobulin superfamily. The gene for LAG3 lies adjacent to the gene for CD4 on human chromosome 12p13.32 and shares approximately 20 % identical to the CD4 gene. LAG3 is expressed on activated T cells, natural killer cells, B cells and plasmacytoid dendritic cells. LAG3 binds with high affinity to MHC class II molecules, and it interferes competitively with the binding of CD4 to MHC class II and thereby blocks the transduction of stimulatory signals mediated by this interaction. LAG3 negatively regulates cellular proliferation, activation, and homeostasis of T cells, and plays an important role in Treg suppressive function. LAG3 is the target of various drug development programs to develop new treatments for cancer and autoimmune disorders. The soluble form, sLAG-3, is being developed as a cancer drug.</p> <p>Synonym: Lymphocyte activation gene 3 protein,CD223,Lag3</p>
Molecular Weight:	46.2 kDa
UniProt:	<a href="#">Q61790</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.