

Datasheet for ABIN1344459

**LAG3 Protein (Fc Tag)****6** Publications[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	LAG3
Origin:	Human, Mouse, Monkey
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAG3 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS), Flow Cytometry (FACS)

## Product Details

Specificity:	Binds to human, mouse and monkey MHC class II.
Cross-Reactivity:	Human, Monkey, Mouse (Murine)
Characteristics:	The sequence coding for the 4 extracellular Ig-like domains of human LAG-3 (D1-D4) is fused to the Fc portion of human IgG1.
Purity:	>99 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

## Target Details

Target:	LAG3
Alternative Name:	LAG-3 ( <a href="#">LAG3 Products</a> )

## Target Details

Background:	Lymphocyte activation gene 3 (LAG-3, CD223) plays an important role in negatively regulating T cell proliferation, function and homeostasis. It is required for maximal natural and induced regulatory T cell (Treg) function. LAG-3 is closely related to the T cell co-receptor CD4 and binds to MHC class II molecules but with a significantly higher affinity than CD4.
Molecular Weight:	~80kDa (SDS-PAGE)
UniProt:	<a href="#">P18627</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

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Flow Cytometry: Detection of MHC class II molecules in combination with fluorescently labeled antibodies to IgG1. Uni-Prot link P18627: LAG-3 (human) <a href="http://www.uniprot.org/uniprot/P18627">http://www.uniprot.org/uniprot/P18627</a> .Inhibits binding of MAb to LAG-3 (human) to LAG-3. Induces maturation of human dendritic cells.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

## Publications

Product cited in:	Richter, Richter, Mehta, Gribble, Sutherland-Smith, Stowell, Print, Ronimus, Wilson: "Expression and role in glycolysis of human ADP-dependent glucokinase." in: <b>Molecular and cellular biochemistry</b> , Vol. 364, Issue 1-2, pp. 131-45, (2012) ( <a href="#">PubMed</a> ).
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There are more publications referencing this product on: [Product page](#)