

# Recombinant Mouse Lymphocyte-Activation Gene 3, Fc Chimera

Cat. No. Lag3-2089M Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant MouseLag3 Produced in <i>CHO cells</i> .The sequence coding for the 4 extracellular Ig-like domains of mouse LAG-3 (D1-D4) is fused to the Fc portion of mouse IgG2a (hinge-CH2-CH3). MW=180kDa (SPS-PAGE, nonreducing), ~80kDa (SPS-PAGE, reducing).
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>Description</b>	The lymphocyte activation gene-3 (LAG-3, CD223), a member of the immunoglobulin superfamily (IgSF) related to CD4, binds to the major histocompatibility complex (MHC) class II molecules but with higher affinity than CD4. Several alternative mRNA splice-variants of human LAG-3 have been described, two of them encoding potential secreted forms: LAG-3V1 (i.e. the D1-D2 domains of the protein, 36 kDa) and LAG-3V3 (D1-D3, 52 kDa).
<b>Concentration</b>	0.5mg/ml.
<b>Purity</b>	≥95% (SDS-PAGE).
<b>Formulation</b>	Liquid. In PBS.
<b>Endotoxin Content</b>	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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<b>Reconstitution</b>	Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
<b>Specificity</b>	Binds to human and mouse MHC class II.
<b>Biological Activity</b>	Induces maturation of mouse dendritic cells in vitro. Induces CD4 and CD8 antigen-specific T cells responses when coinjected s.c. in mice, together with the antigen.
<b>Application</b>	Flow Cytometry.
<b>Long Term Storage</b>	+4°C.
<b>Stability</b>	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at+4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lag3 lymphocyte-activation gene 3 [ Mus musculus ]</a>
<b>Synonyms</b>	Lag3; lymphocyte-activation gene 3; Ly66; CD223; LAG-3
<b>Gene ID</b>	<a href="#">16768</a>
<b>mRNA Refseq</b>	<a href="#">NM_008479</a>
<b>Protein Refseq</b>	<a href="#">NP_032505</a>
<b>UniProt ID</b>	<a href="#">Q61790</a>
<b>Chromosome Location</b>	6 F2
<b>Function</b>	MHC class II protein binding; transmembrane receptor activity

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