

Recombinant Mouse Lymphocyte-Activation Gene 3, Fc Chimera

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

SPECIFICATION

Product Overview	Recombinant MouseLag3 Produced inCHO cells.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).
Species	Mouse
Source	CHO
Description	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).
Concentration	0.5mg/ml.
Purity	≥95% (SDS-PAGE).
Formulation	Liquid. In PBS.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Specificity	Binds to human and mouse MHC class II.
Biological Activity	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.
Application	Flow Cytometry.
Long Term Storage	+4°C.
Stability	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at +4°C.

GENE INFORMATION

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

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