

Lag3

Recombinant Mouse LAG-3:Fc Chimera

Catalog No.	CRM045	Quantity:	50 µg
Alternate Names:	CD223, LAG-3, Ly66		
Description:	<p>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.</p> <p>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).</p>		
Concentration:	0.5 mg/ml		
Gene ID:	16768		
Protein Accession No:	Q61790		
Source:	CHO cells		
Molecular Weight:	~180 kDa by nonreducing SDS-PAGE, ~80 kDa by reducing SDS-PAGE		
Formulation:	Liquid in PBS.		
Purity:	≥95% (SDS-PAGE)		
Endotoxin Level:	<1 EU/µg purified protein as determined by LAL test (Lonza).		
Biological Activity:	Binds to human and mouse MHC class II.		
Specific 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.		
Handling:	PBS containing at least 0.1% BSA should be used for further dilutions.		
Applications:	Flow Cytometry: Detection of MHC class II molecules in combination with fluorescently labeled antibodies to IgG2a.		
Storage & Stability:	Store at 4°C upon arrival and at -20°C for long term. For long term storage, prepare aliquots. Stable for up to 6 month at -20°C. Avoid repeated freeze-thaw cycles.		

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