

## Recombinant Mouse LAG3 Protein, IgG2a Fc-tagged

Cat. No. LAG3-674M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse LAG3 protein with IgG2a Fc tag was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	521
<b>Description</b>	Enables MHC class II protein binding activity and transmembrane signaling receptor activity. Involved in negative regulation of regulatory T cell differentiation; plasmacytoid dendritic cell activation; and regulation of immune response. Acts upstream of or within cell surface receptor signaling pathway; negative regulation of interleukin-2 production; and positive regulation of natural killer cell mediated cytotoxicity. Located in external side of plasma membrane and extracellular region. Orthologous to human LAG3 (lymphocyte activating 3).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	73.7 kDa
<b>AA Sequence</b>	MREDLLLGFLLLGLLWEAPVVSSGPGKELPVVWAQEGAPVHLPCKSLKSPNLDPNFL RRGGVIWQHQPDSGQPTPIPALDLHQGMPSRQPAPGRYTVLSVAPGGLRSGRQP LHPHVQLEERGLQRGDFSLWLRPALRTDAGEYHATVRLPNRALSCSLRLRVGQAS MIASPSGVLKLSDWLLNCSFSRPDRPVSVHWFQGNRVPVYNSPRHFLAETFULL PQVSPLDSGTWGCVLTYRDGFNVSITYNLKVLGLEPVAPLTVYAAEGSRVELPCHLP

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PGVGTPSLLIAKWTPPGGGPELPVAGKSGNFTLHLEAVGLAQAGTYTCSIHLQGGQQ  
LNATVTLAVITVTPKSFGLPGSRGKLLCEVTPASGKERFVWRPLNLSRSCP GPVLEI  
QEARLLAERWQCQLYEGQRLLGATVYAAESSSGAHSARRISGDLKGGHLVVLILG  
ALSLFLLVAGAFGFHWWRKQLLLRRFSALEHGIQPFPAQRKIEELERELETEMGQEP  
EPEPEPQLEPEPRQL

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** Lag3 lymphocyte-activation gene 3 [ Mus musculus (house mouse) ]

**Official Symbol** LAG3

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<b>Synonyms</b>	LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; 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>

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