Recombinant Mouse LAG3 Protein, IgG2a Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse LAG3 protein with IgG2a Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	521
Description	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).
Form	Lyophilized
Molecular Mass	73.7 kDa
AA Sequence	MREDLLLGFLLLGLLWEAPVVSSGPGKELPVVWAQEGAPVHLPCSLKSPNLDPNFL RRGGVIWQHQPDSGQPTPIPALDLHQGMPSPRQPAPGRYTVLSVAPGGLRSGRQP LHPHVQLEERGLQRGDFSLWLRPALRTDAGEYHATVRLPNRALSCSLRLRVGQAS MIASPSGVLKLSDWVLLNCSFSRPDRPVSVHWFQGQNRVPVYNSPRHFLAETFLLL PQVSPLDSGTWGCVLTYRDGFNVSITYNLKVLGLEPVAPLTVYAAEGSRVELPCHLP

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	PGVGTPSLLIAKWTPPGGGPELPVAGKSGNFTLHLEAVGLAQAGTYTCSIHLQGQQ LNATVTLAVITVTPKSFGLPGSRGKLLCEVTPASGKERFVWRPLNNLSRSCPGPVLEI QEARLLAERWQCQLYEGQRLLGATVYAAESSSGAHSARRISGDLKGGHLVLVLILG 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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Synonyms	LAG3; lymphocyte-activation gene 3; lymphocyte activation gene 3 protein; Ly66; CD223; LAG-3;
Gene ID	16768
mRNA Refseq	NM_008479
Protein Refseq	NP_032505
UniProt ID	Q61790

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