Active Recombinant Human LY9, Fc-tagged, Biotinylated

Cat. No. LY9-681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human SLAMF3-Fc fusion protein is expressed as a 540-amino acid protein consisting of Lys48 - Arg359 region of SLAMF3 (UniProt accession #Q9HBG7) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	48-359 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Immobilized SLAMF3 binds homophilically to biotinylated SLAMF3 in a functional ELISA
Molecular Mass	Calculated molecular mass (kDa): 59.8; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
AA Sequence	KDSAPTVVSGILGGSVTLPLNISVDTEIENVIWIGPKNALAFARPKENVTIMVKSYLGR LDITKWSYSLCISNL TLNDAGSYKAQINQRNFEVTTEEEFTLFVYEQLQEPQVTMKS VKVSENFSCNITLMCSVKGAEKSVLYSWTPRE PHASESNGGSILTVSRTPCDPDLP YICTAQNPVSQRSSLPVHVGQFCTDPGASRGGTTGETVVGVLGEPVTLPL ALPACR DTEKVVWLFNTSIISKEREEAATADPLIKSRDPYKNRVWVSSQDCSLKISQLKIEDAG

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	PYHAYVCSEA SSVTSMTHVTLLIYRRSTGTHTCPPCPAPELLGGPSVFLFPPKPKDT LMISRTPEVTCVVVDVSHEDPEVKFNW YVDGVEVHNAKTKPREEQYNSTYRVVSV LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSREEMTKN QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW QQGNVFSC SVMHEALHNHYTQKSLSLSPGK
Endotoxin	<0.1 eu="" per="" 1="" µg="" of="" purified="" recombinant="" protein="" determined="" by="" the="" lal="">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

GENE INFORMATION

Gene Name	LY9 lymphocyte antigen 9 [Homo sapiens]
Official Symbol	LY9
Synonyms	LY9; lymphocyte antigen 9; T-lymphocyte surface antigen Ly-9; CD229; hly9; mLY9; SLAMF3; cell surface molecule Ly-9; cell-surface molecule Ly-9;
Gene ID	4063
mRNA Refseq	NM_001033667

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Protein Refseq	NP_001028839
MIM	600684
UniProt ID	Q9HBG7
Chromosome Location	1q23.3
Function	molecular_function; receptor activity;

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