

## Active Recombinant Human LY9, Fc-tagged, Biotinylated

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

### SPECIFICATION

<b>Product Overview</b>	The recombinant human SLAMF3-Fc fusion protein is expressed as a 540-amino acid protein consisting of Lys48 - Arg359 region of SLAMF3 (UniProt accession #Q9HBM7) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	48-359 a.a.
<b>Form</b>	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).
<b>Bio-activity</b>	Immobilized SLAMF3 binds homophilically to biotinylated SLAMF3 in a functional ELISA
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 59.8; Estimated by SDS-PAGE under reducing condition (kDa): 75-85
<b>AA Sequence</b>	KDSAPT VVSGILGGSVTLPLNISVDTEIENVIWIGPKNALAFARPKENVTIMVKSYLGR LDITKWSYSLCISNL TLNDAGSYKAQINQRNFEVTTEEEFTLFVYEQLQEPQVTMKS VKVSENFSCNITLMCSVKGAEKSVLYSWTPRE PHASESNGGSILTVSRTPCDPDL YICTAQNPVSRSSLPVHVGGFCTDPGASRGGTTGETVVGVLGEPVTLPL ALPACR DTEKVVWLFNTSIISKEREEAATADPLIKSRDPYKNRVVWSSQDCSLKISQLKIEDAG

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PYHAYVCSEA SSVTSMTHVTLIIYRRSTGHTHTCPPCPAPELLGGPSVFLFPPKPKDT  
 LMISRTPEVTCVVVDVSHEDPEVKFNW YVDGVEVHNAKTKPREEQYNSTYRVVSV  
 LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTL PPSREEMTKN  
 QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW  
 QQGNVFSC SVMHEALHNYHTQKSLSLSPGK

**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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<b>Protein Refseq</b>	NP_001028839
<b>MIM</b>	600684
<b>UniProt ID</b>	Q9HBG7
<b>Chromosome Location</b>	1q23.3
<b>Function</b>	molecular_function; receptor activity;

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