

## Product datasheet for **TP509585**

### Ly9 (NM\_008534) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lymphocyte antigen 9 (Ly9), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209585 representing NM_008534 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MADLKRYWCDWALGPLENPRMSQQQIFSPILWIPLLFLLMGLGASGKETPPTVISGMLGGSVTFSLNIS  
KDAEIEHIIWNCPPKALALVFYKKDITILDKGYNGRLKVSSEGGYSLYMSNLTKSDSGSYHAQINQKNVIL  
TTNKEFTLHIYEKQLQPKQIIVESVTPSDTDSCTFTLICTVKGTDKDSVQSWTREDTHLNTYDGSHTLRVS  
QSVCDPDLPYTCKAWNPVSNSSQPVRIWQFCTGASRRKTAAGKTWVGILGEPVTLPLEFRATRATKNVW  
WVFNTSVISQERRGAATADSRKPKGSEERRVTSDDQDQSLKISQLKMEDAGPYHAYVCSEASRDPSVRH  
FTLLVYKRLEKPSVTKSPVHMMNGICEVVLTCSDVGGGNNVTYTWMPQLNKAVMSQGKSHLNVSWESGEH  
LPNFTCTAHNPVSNSSQFSSGTICSGPERNKRFWLLLLLVLLLLMLIGGYFILRKKKQCSSLATRYRQA  
EVPAEIPETPTGHGQFSVLSQRYEKLDMSAKTRRHQPTPTSSTSESSATTEEDDEKTRMHSTANSRNQV  
YDLVTHQDIAHALAYEGQVEYEAITPYDKVDGSMDEEDMAYIQVSLNVQGETPLPQKKEDSNTIYCSVQK  
PKKTAQTPQQDAESPETPTYENFT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	73.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	<a href="#">NP_032560</a>
Locus ID:	17085
UniProt ID:	<a href="#">Q01965</a>
RefSeq Size:	2449
Cytogenetics:	1 79.54 cM
RefSeq ORF:	1962
Synonyms:	AI893573; CD229; Lgp100; Ly-9; SLAMF3; T100
Summary:	<p>Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2 (PubMed:19648922). May participate in adhesion reactions between T lymphocytes and accessory cells by homophilic interaction. Promotes T-cell differentiation into a helper T-cell Th17 phenotype leading to increased IL-17 secretion; the costimulatory activity requires SH2D1A. Promotes recruitment of RORC to the IL-17 promoter (By similarity). May be involved in the maintenance of peripheral cell tolerance by serving as a negative regulator of the immune response. May disable autoantibody responses and inhibit IFN-gamma secretion by CD4(+) T-cells (PubMed:23914190). May negatively regulate the size of thymic innate CD8(+) T-cells and the development of invariant natural killer T (iNKT) cells (PubMed:23225888). Can promote natural killer (NK) cell activation (PubMed:19648922).[UniProtKB/Swiss-Prot Function]</p>