

Lymphocyte antigen 6 complex locus protein G6d (Ly6g6d) Active Protein | Ly6g6d active protein

Recombinant Mouse Lymphocyte antigen 6 complex locus protein G6d (Ly6g6d)(Active)

CATALOG # AAA279248	HOST Yeast
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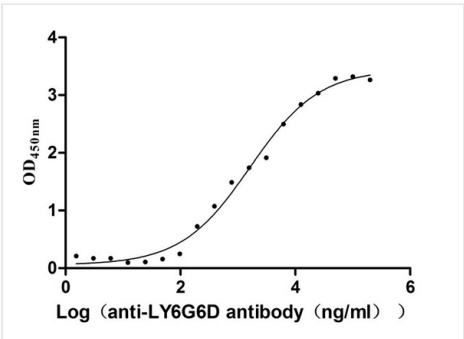
PRODUCT SYNONYMS

Lymphocyte antigen 6 complex locus protein G6d (Ly6g6d); Recombinant Mouse Lymphocyte antigen 6 complex locus protein G6d (Ly6g6d)(Active); Ng25; Ly6g6d active protein

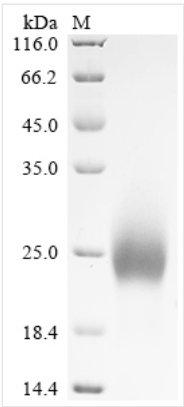
PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Lyophilized powder Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 250mM Imidazole 6% Trehalose, pH 8.0
Sequence Positions	20-108aa; Full Length of Mature Protein
Sequence	HRTRCYDCGG GPSNSCKQTV ITCGEGERC G FLDRKPQPSS EQAKQPSATL SHHYPACVAT HHCNQVAIES VGDTVFTTQK NCCFGDLCN\$
Species	Mus musculus (Mouse)
Tag	N-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Research Area	Immunology
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Mouse Ly6g6d at 2 ug/mL can bind Anti-LY6G6D recombinant antibody. The EC50 is 1.159-2.305 ug/mL.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

IMAGES



Bioactivity
Measured by its binding ability in a functional ELISA. Immobilized Mouse Ly6g6d at 2 ?g/mL can bind Anti-LY6G6D recombinant antibody . The EC50 is 1.159-2.305 ?g/mL.



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for Ly6g6d active protein	Active Protein & In Stock Protein
References	"Transcriptional analysis of a novel cluster of LY-6 family members in the human and mouse major histocompatibility complex: five genes with many splice forms."Mallya M., Campbell R.D., Aguado B.Genomics 80:113-123 (2002)"Analysis of the gene-dense major histocompatibility complex class III region and its comparison to mouse."Xie T., Rowen L., Aguado B., Ahearn M.E., Madan A., Qin S., Campbell R.D., Hood L.Genome Res. 13:2621-2636 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15638950
NCBI GeneID	114654
NCBI Accession #	NP_258439.1
NCBI GenBank Nucleotide #	NM_033478.2
UniProt Accession #	Q9Z1Q3
Molecular Weight	14,092 Da
NCBI Official Full Name	lymphocyte antigen 6 complex locus protein G6d
NCBI Official Synonym Full Names	lymphocyte antigen 6 complex, locus G6D
NCBI Official Symbol	Ly6g6d
NCBI Official Synonym Symbols	G6d; G6f; NG25; NG32; MEGT1; A930024F17Rik
NCBI Protein Information	lymphocyte antigen 6 complex locus protein G6d; megakaryocyte-enhanced gene transcript 1
UniProt Protein Name	Lymphocyte antigen 6 complex locus protein G6d
UniProt Gene Name	Ly6g6d
UniProt Synonym Gene Names	Ng25
UniProt Entry Name	LY66D_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

