

Product Datasheet

Recombinant Mouse CD40 Ligand/TNFSF5 Protein **NBP2-76185-5ug**

Unit Size: 5 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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NBP2-76185-5ug

Recombinant Mouse CD40 Ligand/TNFSF5 Protein

Product Information

Unit Size	5 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Sterile water at 0.1 mg/mL. If a precipitate is observed, centrifuge the solution thoroughly and use only the soluble fraction (removing it from the precipitate). A 10% overfill has been added to compensate for any loss of protein in the precipitate.
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM arginine, pH7.5
Target Molecular Weight	16.4 kDa

Product Description

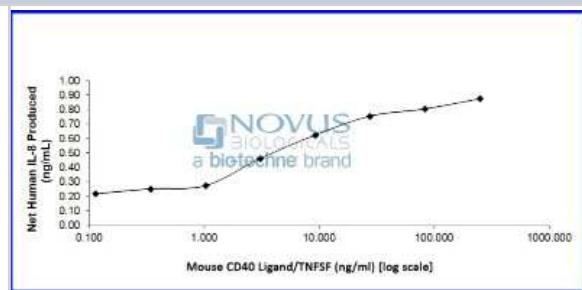
Description	For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80C and avoid repeat freeze thaws. Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.
Gene ID	959
Gene Symbol	CD40LG
Species	Mouse
Specificity/Sensitivity	CD40 Ligand/TNFSF5 is a monomer, 16.4 kDa (149 aa)
Preparation Method	Protein is derived from genetically modified E. coli.
Details of Functionality	HEK-blue((TM)) CD40L Activity, >2.0 x 10^4 units/mg (ED50 acceptance criteria are <50 ng/mL).
Endotoxin Note	Acceptance criteria for endotoxin levels are <1 EU/ug protein (determined by Kinetic LAL Method).

Product Application Details

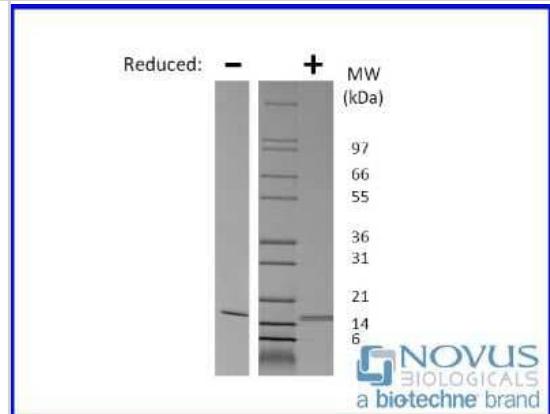
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity
Application Notes	Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.

Images

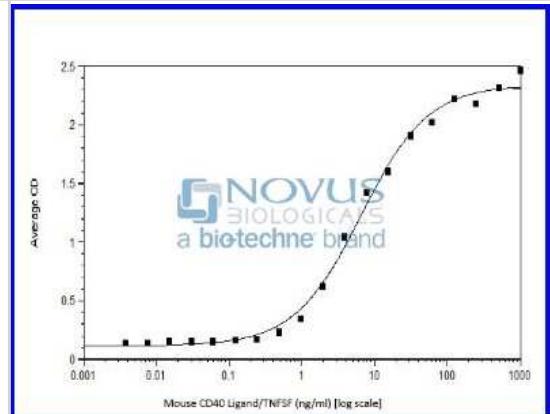
Bioactivity: Recombinant Mouse CD40 Ligand/TNFSF5 Protein [NBP2-76185] - CD40 Ligand/TNFSF5 induced IL-8 production by Human PBMCs.



SDS-Page: Recombinant Mouse CD40 Ligand/TNFSF5 Protein [NBP2-76185] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Mouse CD40 Ligand/TNFSF5 Protein [NBP2-76185] - CD40 Ligand/TNFSF5 induced activity of HEK-blue (TM) CD40L cells.





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