

Product Datasheet

Recombinant Mouse IL-6 Animal-Free Protein NBP2-76192-10ug

Unit Size: 10 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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NBP2-76192-10ug

Recombinant Mouse IL-6 Animal-Free Protein

Product Information	
Unit Size	10 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 10 mM HCl at 0.1 mg/mL
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Target Molecular Weight	21.9 kDa

Product Description	
Description	<p>An un-tagged bioactive recombinant protein corresponding to Mouse IL-6</p> <p>Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MFPTSQVRRG DFTEDTTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN SDCMNNDDAL AENNLKLPEI QRNDGCYQTG YNQEICLLKI SSSLLEYHSY LEYMKNNLKD NKKDKARVLQ RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTDKLESQKE WLRTKTIQFI LKSLEEFLKV TLRSTRQT</p> <p>Produced with no materials of animal or human origin using ANIMAL-FREE purification processes.</p> <p>Production and Purification</p> <ul style="list-style-type: none"> No animal-derived ingredients, No FBS <i>E. coli</i> based production system Animal-Free facility, fermentor, columns, filters, labware, lyophilization, and storage <p>Quality Assurance</p> <ul style="list-style-type: none"> Endotoxin levels at <1 EUs/ug Purity levels at 95% or greater
Gene ID	3569
Gene Symbol	IL6
Species	Mouse
Specificity/Sensitivity	IL-6 is a monomer, 21.9 kDa (188 aa)
Preparation Method	Protein is derived from genetically modified <i>E. coli</i> .
Details of Functionality	B9 cell proliferation, >2.0 x 10 ⁷ units/mg (ED50 acceptance criteria are <50 pg/mL).



Notes	<p>Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p>Detailed Reconstitution: Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots.</p> <p>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.</p>
Endotoxin Note	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

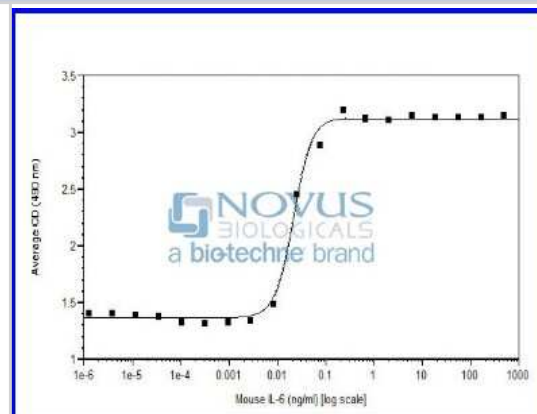
Product Application Details

Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

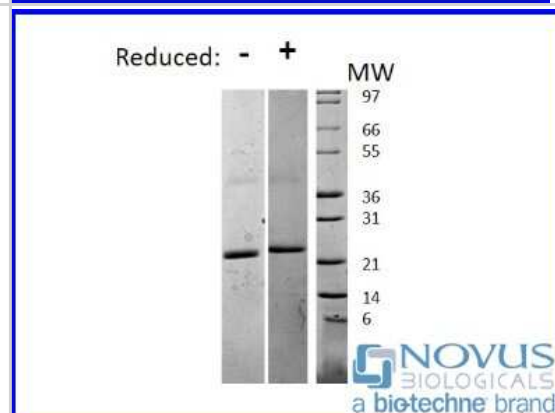


Images

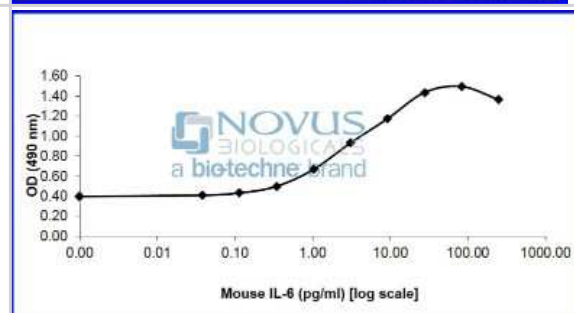
Bioactivity: Recombinant Mouse IL-6 Animal-Free Protein [NBP2-76192]
- IL-6 induced proliferation of B9 cell proliferation.



SDS-Page: Recombinant Mouse IL-6 Animal-Free Protein [NBP2-76192]
- 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Mouse IL-6 Animal-Free Protein [NBP2-76192]
- IL-6 induced proliferation of 7TD1 cells.





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