

Product Datasheet

Recombinant Human IL-10 Animal-Free Protein NBP2-76208-10ug

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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NBP2-76208-10ug**Recombinant Human IL-10 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 water at 0.1 mg/mL
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Target Molecular Weight	18.8 kDa
Product Description	
Description	<p>An un-tagged bioactive recombinant protein corresponding to Human IL-10</p> <p>Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFQK KDQLDNLLK ESLEDFKGY LGCQALSEMI QFYLEEVMPO AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N</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	3586
Gene Symbol	IL10
Species	Human
Specificity/Sensitivity	IL-10 is a non-covalent homodimer, 18.8 kDa (161 aa)
Preparation Method	Protein is derived from genetically modified <i>E. coli</i> .
Details of Functionality	MC/9 cell Proliferation, >2 x 10 ⁵ units/mg (ED50 acceptance criteria are <5 ng/mL).



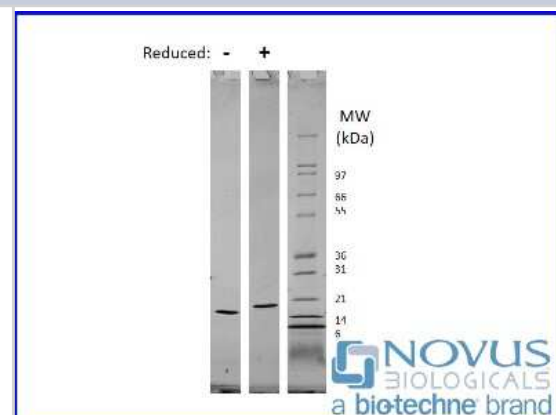
Notes	<p>Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.</p> <p>Detailed Reconstitution: Centrifuge vial before opening. Suspend the product by gently pipetting the recommended solution down the sides 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

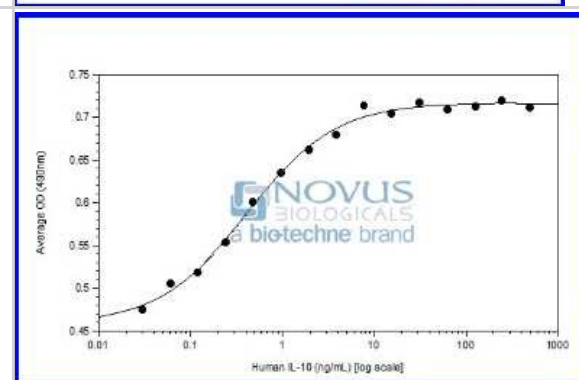
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Recombinant Human IL-10 Animal-Free Protein [NBP2-76208] - 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel.



Bioactivity: Recombinant Human IL-10 Animal-Free Protein [NBP2-76208] - IL-10 induced proliferation of MC9 cells.





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Products Related to NBP2-76208-10ug

NBP2-35101-10ug	Recombinant Mouse IL-10 Protein
210-TA-005	TNF-alpha [Unconjugated]
DY417-05	IL-10 [Biotin]
D6050	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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