

Product Datasheet

Recombinant Mouse IL-4 Protein NBP2-35131-5ug

Unit Size: 5ug

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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NBP2-35131-5ug

Recombinant Mouse IL-4 Protein

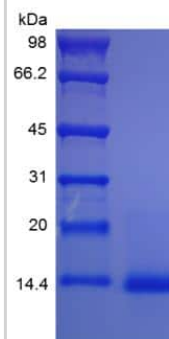
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	13.5 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 121 amino acids corresponding to IL-4 Source: <i>E. coli</i> Uniprot ID: <i>P07750</i> Amino Acid Sequence: <i>MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVPNVLTAT KNTTESELVC RASKVLRIFY LKHGKTPCLK KNSSVLMELQ RLFRAFRCLD SSISCTMNES KSTSLKDFLE SLKSIMQMDY S</i>
Gene ID	3565
Gene Symbol	IL4
Species	Mouse
Details of Functionality	IL-4 protein is fully biologically active when compared to standard. The ED50 as determined by the dose-dependant proliferation of Murine HT-2 cells is less then 2 ng/ml, corresponding to a Specific Activity of > 5 x 10 ⁵ IU/mg
Endotoxin Note	Less than 1 EU/ug of IL-4 as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Mouse IL-4 Protein [NBP2-35131]



Publications

He Q, Pan X, Yin Y et al. Clonorchis sinensis granulin promotes malignant transformation of human biliary epithelial cells by interacting with M2 macrophages via regulating STAT3 phosphorylation and MEK/ERK pathway Research Square 2022-12-19 [PMID: 37095578]

Jiang Z, Lim SO, Yan M et al. TYRO3 induces anti-PD-1/PD-L1 therapy resistance by limiting innate immunity and tumoral ferroptosis The Journal of clinical investigation 2021-04-15 [PMID: 33855973] (Mouse)

Fang W, Zhou T, Shi H, et al. Progranulin induces immune escape in breast cancer via up-regulating PD-L1 expression on tumor-associated macrophages (TAMs) and promoting CD8+ T cell exclusion Journal of experimental & clinical cancer research : CR 2021-01-04 [PMID: 33390170] (Mouse)





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Products Related to NBP2-35131-5ug

NBP2-35252-5ug	Recombinant Rat IL-4 Protein
210-TA-005	TNF-alpha [Unconjugated]
6507-IL-010/CF	IL-4 [Unconjugated]
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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