

Product Datasheet

Recombinant Rhesus Macaque IL-4 Protein NBP2-35309-5ug

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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Publications: 1

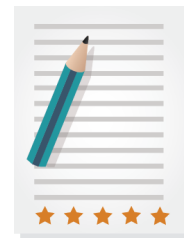
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NBP2-35309-5ug**Recombinant Rhesus Macaque IL-4 Protein**

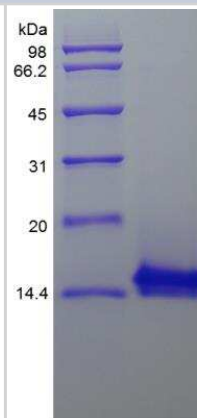
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	5% Trehalose
Reconstitution Instructions	Recommended to centrifuge 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	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 2 x PBS, pH 7.4.
Target Molecular Weight	14.9 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 129 amino acids corresponding to IL-4 Source: <i>E. coli</i> Uniprot ID: P51492 Amino Acid Sequence: HNCIALREI IETLNSLTEQ KTLCTKLTIT DILAASKNTT EKETFCAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE DFLERLKTIM REKYSKCSS
Gene ID	3565
Gene Symbol	IL4
Species	Rhesus Macaque
Details of Functionality	IL4 Protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 x 10 ⁶ 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: Primate IL-4 Protein [NBP2-35309]



Publications

MJ Nash, E Dobrinskik, TK Soderborg, RC Janssen, DL Takahashi, TA Dean, O Varlamov, JD Hennebold, M Gannon, KM Aagaard, CE McCurdy, P Kievit, BC Bergman, KL Jones, EM Pietras, SR Wesolowski, JE Friedman
Maternal diet alters long-term innate immune cell memory in fetal and juvenile hematopoietic stem and progenitor cells in nonhuman primate offspring Cell Reports, 2023-04-13;42(4):112393. 2023-04-13 [PMID: 37058409] (Primate - *Macaca mulatta* (Rhesus Macaque))





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Products Related to NBP2-35309-5ug

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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