www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

IL 4 Rhesus Macaque

Catalog #:CYPS-179

For research use only.

Description:IL-4 Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 129 amino acids and having a molecular mass of 14.9kDa.The IL4 Rhesus Macaque is purified by proprietary chromatographic techniques.

Synonyms: Interleukin-4, IL-4, B-cell stimulatory factor 1, BSF-1, Lymphocyte stimulatory factor 1, IL4.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:HNCHIALREI IETLNSLTEQ KTLCTKLTIT DILAASKNTT EKETFCRAAT VLRQFYSHHE KDTRCLGATA QQFHRHKQLI RFLKRLDRNL WGLAGLNSCP VKEANQSTLE DFLERLKTIM REKYSKCSS.

Purity: Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Formulation:
Lyophilized from a 0.2

Stability:
Lyophilized Interleukin-4 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL4 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized Interleikin-4 in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

Introduction:
IL4 is a pleiotropic cytokine produced by activated T cells. IL4 is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. IL4, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Biological Activity:
The ED50 as determined by the dose-dependent stimulation of TF1 cells is less than 0.2ng/ml, corresponding to a specific activity of >5.0

To place an order, please Click HERE.

© 2015 NeoScientific

Copyrights @ 2013 NEO Group 245 First Street, 18th Floor, Cambridge MA 02142 888.754.5670 (toll-free)
Request a CATALOG CLICK HERE