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 23 Human, His

Catalog #:CYPS-074

For research use only.

Description:IL-23 Human Recombinant produced in HEK 293 cells is a heterodimer (IL23A co-transfected with IL12B), containing one polypeptide chain of IL23 protein (19.77kDa) fused with a C-terminal His tag and one polypeptide chain of IL12b-Flag (35.69kDa).The IL-23 is purified by proprietary chromatographic techniques.

Synonyms: Interleukin 23 alpha subunit p19, Interleukin-12 subunit beta p40, SGRF, IL23P19, IL-23-A, interleukin-six, G-CSF related factor, JKA3 induced upon T-cell activation, interleukin 12B (natural killer cell stimulatory factor 2 cytotoxic lymphocyte maturatio

Source:HEK 293 cells.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence:
IL23A-His:RAVPGGSSPAWTQCQQLSQKLCTLAWSAHPLVGHMDLREEGDEETTNDVPHIQCG
DGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSLLPDSPVGQLHASLLGLS
QLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVAARVFAHGAATLSP
HHHHHHHH.IL12B-Flag:IWELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWTLDQSSEVLG
SGKT

Purity: Greater than 90.0% as determined by analysis by SDS-PAGE.

Formulation:
IL-23 His Tag protein is supplied in 50mM Tris pH 7.5, 130mM NaCl and 10% Glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time.Please avoid 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.

Introduction:
IL23 is composed of a subunit of the heterodimeric cytokine IL23 and the p40 subunit of interleukin 12 (IL12B). Interleukin-23 (IL-23) belongs to the IL-12 family and is produced by antigen presenting cells. IL-23 using IL12RB1 and IL-23R (specific for IL-23) can activate STAT and NF-kB pathways and stimulate the production of interferon-gamma.). IL-23 is known to take a vital part in the inflammation process and is associated with auto immune diseases. However, unlike IL12, which acts primarily on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells.

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