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IL 23 Human

Catalog #:CYPS-057

For research use only.

Description:IL-23 Human Recombinant produced in HEK cells is a glycosylated disulfide linked homodimer, having a total molecular weight of 43kDa and 19kDa heterodimer.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.

Physical Appearance:IL-23 if supplied as a sterile filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 95.0% as determined by analysis by SDS-PAGE.

Formulation:
IL-23 was lyophilized from a concentrated (480

Stability:
Lyophilized Interleukin-23 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-23 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 Interleukin-23 in sterile 18M-cm H2O not less than 100

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.

Biological Activity:
The activity, as determined by the dose dependent secretion of h-IFN-g from human PBMC was found to be 2 to 20ng/ml ED50.

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