

IL 23 Human

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.

Catalog #: CYP5-057

For research use only.

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 maturation)

Source: HEK.

Physical Appearance: IL-23 is 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 although 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 drugs, 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-κB 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 autoimmune 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-γ from human PBMC was found to be 2 to 20ng/ml ED50.

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