

Product datasheet

Recombinant Human IL-12B protein (Fc Chimera)
ab221319

1 Image

Description

| | | |
|--|---|--|
| Product name | Recombinant Human IL-12B protein (Fc Chimera) | |
| Purity | > 95 % SDS-PAGE. | |
| Endotoxin level | < 1.000 Eu/µg | |
| Expression system | HEK 293 cells | |
| Accession | P29460 | |
| Protein length | Full length protein | |
| Animal free | No | |
| Nature | Recombinant | |
| Species | Human | |
| Sequence | <pre> WELKKDVYVVELDWYPDAPGEMVVLTCDTPEEDGITWT LDQSSEVLGSG KTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGW STDILKDQKE PKNKTFLRCEAKNYSGRFTCWLLTTISTDLTFSVKSSRGS SDPQGVTCGA ATLSAERVRGDNKEYEYSVEQCEDSACPAAEESLPIEVM VDAVHKLKYEN YTSSFFIRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWS TPHSYFSLT FCVQVQGKSKREKKDRVFTDKTSATVICRKNASISVRAQD RYYSSSWSEW ASVPCS </pre> | |
| Predicted molecular weight | 61 kDa including tags | |
| Amino acids | 23 to 328 | |
| Additional sequence information | Fused with a human IgG1 Fc tag (Pro 100 - Lys 330; P01857) at the C-terminus (AAH67499). This product is the mature full length protein from aa 23 to 328. The signal peptide is not included. | |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab221319** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: Tris, Glycine, L-Arginine, Sodium chloride

Lyophilized from 0.22 µm filtered solution.

Reconstitution Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.

Associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

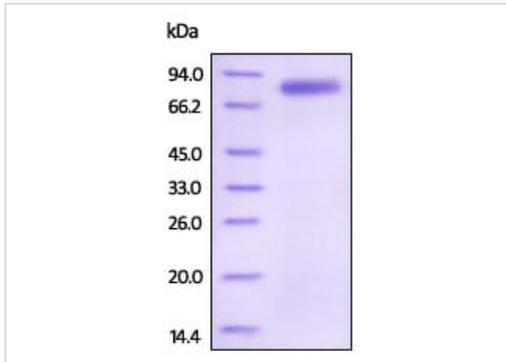
Involvement in disease Mendelian susceptibility to mycobacterial disease
Psoriasis 11

Sequence similarities Belongs to the type I cytokine receptor family. Type 3 subfamily.
Contains 1 fibronectin type-III domain.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Post-translational modifications Known to be C-mannosylated in the recombinant protein; it is not yet known for sure if the wild-type protein is also modified.

Cellular localization Secreted.

Images



SDS-PAGE - Recombinant Human IL-12B protein
(Fc Chimera) (ab221319)

SDS-PAGE analysis of DTT-reduced ab221319 stained overnight with Coomassie Blue.

DTT-reduced protein migrates as 70-80 kDa in SDS-PAGE due to glycosylation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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