

### Recombinant human IL-23 protein (Active) ab109153

画像数 1

#### 製品の詳細

製品名	Recombinant human IL-23 protein (Active)
生理活性	Induction of IL-17 secretion by mouse splenocytes.
精製度	> 90 % SDS-PAGE.
エンドトキシン・レベル	< 0.060 Eu/μg
発現系	HEK 293 cells
アクセッション番号	<b><u>Q9NPF7</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	IWELKKDVYV VELDWPDPAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSL L LHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCSGSTS GSGKPGSGEG STKGRAVPGG SSPAWTQCQQ LSQKLCTLAW SAHPLVGHMD LREEGDEETT NDVPHIQCGD GCDPQGLRDN SQFCLQRIHQ GLIFYEKLLG SDIFTGEP SL LPDSPVQQLH ASLLGLS QLL QPEGHHWETQ QIPSLSPSQP WQRLLLRFKI LRSLQAFVAV AARVFAHGAA TLSP
予測される分子量	70 kDa including tags
領域	23 to 328
タグ	DDDDK tag N-Terminus
配列の追加情報	Fused at the C-terminus to a 18 aa linker peptide (GSTSGSGKPGSGEGSTKG) and to the IL23

p19 peptide (aa 20-189) and tagged at the N-terminus to a DDDDK-tag. IL-12p40 (human)  
Swissprot: P29460

## 特性

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Our **Abpromise guarantee** covers the use of **ab109153** in the following tested applications.

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

### アプリケーション

Functional Studies

SDS-PAGE

### 製品の状態

Lyophilized

### 備考

Induction of IL17 secretion by Mouse splenocytes.

PBS containing at least 0.1% BSA should be used for further dilutions.

Reconstitute 10µg vial with 100 µl sterile water to a concentration of 0.1mg/ml.

Add 1X PBS to the desired protein concentration.

## 前処理および保存

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### 保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.

Avoid freeze / thaw cycle. Please see notes section.

Constituent: 99% PBS

0.2µm-filtered.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### 再構成

Reconstitute 10µg vial with 100 µl sterile water to a concentration of 0.1mg/ml. Add 1X PBS to the desired protein concentration.

## 関連情報

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### 機能

Associates with IL12B to form the IL-23 interleukin, an 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 an 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.

### 組織特異性

Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

### 配列類似性

Belongs to the IL-6 superfamily.

### 発生段階

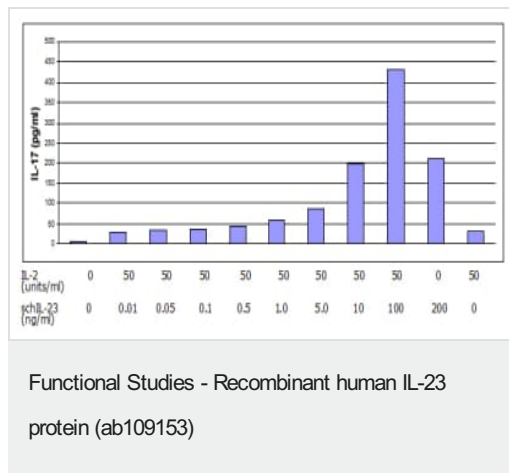
Expressed by newborns dendritic cells.

### 細胞内局在

Secreted. Secreted upon association with IL12B.

## 画像

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#### IL 17 secretion by Mouse splenocytes

Mononuclear cells isolated from Mouse spleen were cultured with Mouse IL23 in presence or absence of various concentrations of ab109153 for 3 days. Levels of IL 17 accumulated in culture supernatants were measured using ELISA.

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

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