

Product datasheet

Recombinant mouse IL-4 protein (Animal Free) ab179488

Description

Product name	Recombinant mouse IL-4 protein (Animal Free)
Biological activity	The activity is determined by dose-dependent induction of HT-2 cell proliferation and is typically less than 2 ng/mL.
Purity	> 95 % SDS-PAGE. Assessed by Reducing and Non-reducing SDS-PAGE, HPLC
Endotoxin level	<=1.000 Eu/µg
Expression system	Escherichia coli
Accession	<u>P07750</u>
Protein length	Full length protein
Animal free	Yes
Nature	Recombinant
Species	Mouse
Sequence	MHIHGCDKNH LREIIGILNE VTGEGTPCTE MDVPNVLTAT KNTTESELVC RASKVLRIFY LKHGKTPCLK KNSSVLMELQ RLFRAFRCCLD SSISCTMNES KSTSLKDFLE SLKSIMQMDYS
Predicted molecular weight	14 kDa including tags
Amino acids	21 to 140
Additional sequence information	Mature form.

Specifications

Our **Abpromise guarantee** covers the use of **ab179488** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

No additives (trace TFA from HPLC)

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

General Info

Function

Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.

Involvement in disease

Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.

Sequence similarities

Belongs to the IL-4/IL-13 family.

Cellular localization

Secreted.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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