

Recombinant human IL-4 protein (Animal Free) ab179620

1 图像

描述

产品名称	重组人IL-4蛋白(Animal Free)
生物活性	The activity is determined by a proliferation assay using MC-9 cells and is typically less than 0.2 ng/mL.
纯度	>= 98 % SDS-PAGE. Protein content and purity determined by HPLC, reducing and non-reducing SDS-PAGE, UV spectroscopy at 280 nm.
内毒素水平	<=1.000 Eu/μg
表达系统	Escherichia coli
Accession	<u>P05112</u>
蛋白长度	Full length protein
无动物成分	Yes
性质	Recombinant
种属	Human
序列	MHKCDITLQE IIKTLNSLTE QKTLCTELTV TDIFAASKNT TEKETFCRAA TVLRQFYSHH EKDTRCLGAT AQQFHRHKQL IRFLKRLDRN LWGLAGLNSC PVKEANQSTL ENFLERLKTI MREKYSKCSS
预测分子量	15 kDa
氨基酸	25 to 153
额外的序列信息	mature form

技术指标

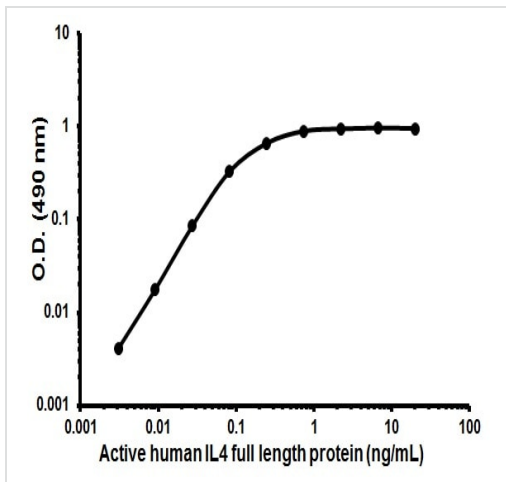
Our **Abpromise guarantee** covers the use of **ab179620** in the following tested applications.

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

应用	SDS-PAGE Functional Studies HPLC
形式	Lyophilized

补充说明	This product is produced with no animal-derived raw products, animal free equipment and animal free protocols.
制备和贮存	
稳定性和存储	Shipped at 4°C. Store at -20°C. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. Reconstituted material should be aliquoted and frozen at -20°C.
常规信息	
功能	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.
疾病相关	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.
序列相似性	Belongs to the IL-4/IL-13 family.
细胞定位	Secreted.

图片



Dose-dependent proliferation of TF-1 cells using ab179620. Cells were incubated for 12 hours and then measured at 490 nm. Assays were carried out in triplicate.

Cellular activation - Recombinant human IL-4 protein
(Animal Free) (ab179620)

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

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