

Recombinant human IL-4 protein ab155733

4 图像

描述

产品名称	重组人IL-4蛋白
生物活性	Measured by its binding ability in a functional ELISA. Immobilized ab155733 at 5 µg/mL (100 µL/well) can bind Human IL-4 R alpha, Fc Tag with a linear range of 1-20 ng/mL .
纯度	> 90 % SDS-PAGE. ab155733 was lyophilised from 0.22 µm filtered solution.
内毒素水平	< 0.100 Eu/µg
表达系统	HEK 293 cells
Accession	P05112
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	HKCDITLQEIIKTLNSLTEQKTLCTELTVTDIFAASKNTTEK ETFCRAAT VLRQFYSHHEKDTRCLGATAQQFHRHKQLIRFLKRLDRNLWG LAGLNSCP VKEANQSTLENFLERLKTIMREKYSKCSS
预测分子量	15 kDa
氨基酸	25 to 153

技术指标

Our **Abpromise guarantee** covers the use of **ab155733** in the following tested applications.

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

应用	ELISA Functional Studies SDS-PAGE
形式	Lyophilized

制备和贮存

稳定性和存储

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 0.39% MES, 5% Trehalose, 1.17% Sodium chloride, PBS

Lyophilized from 0.22 µm filtered solution.

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%

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

复溶

Reconstitute with sterile deionized water to a concentration of 100 µg/ml.

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.

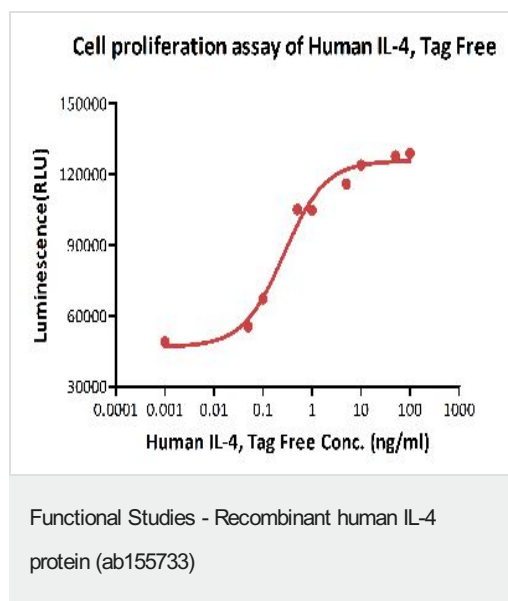
序列相似性

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

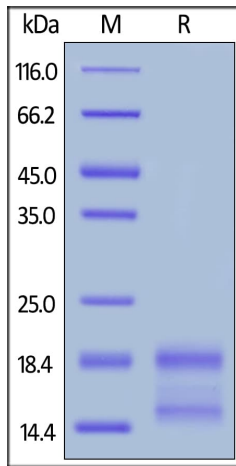
细胞定位

Secreted.

图片

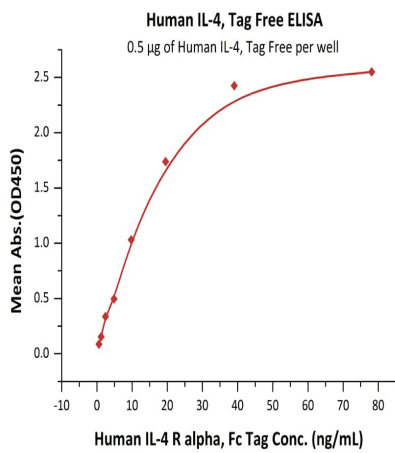


ab155733 stimulates the proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is 0.27-0.49 ng/mL



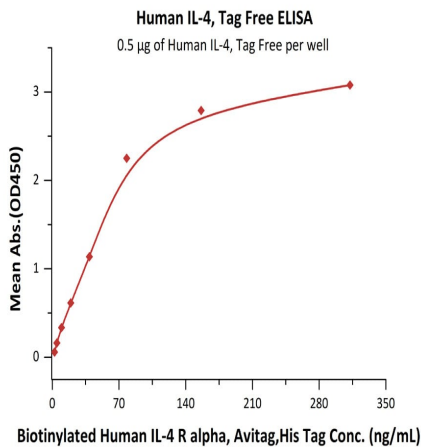
SDS-PAGE - Recombinant human IL-4 protein (ab155733)

Human IL-4 (Tag Free) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.



ELISA - Recombinant human IL-4 protein (ab155733)

Immobilized Human IL-4 (ab155733) at 5 µg/mL (100 µL/well) can bind Human IL-4 R alpha, Fc Tag with a linear range of 1-20 ng/mL.



ELISA - Recombinant human IL-4 protein (ab155733)

Ab155733 at 5 µg/mL (100 µL/well) can bind Biotinylated Human IL-4 R alpha ([ab246188](#)) with a linear range of 2-78 ng/mL.

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