

Recombinant mouse IL-4 protein (Active) ab259406

1 References 画像数 4

製品の詳細

製品名	Recombinant mouse IL-4 protein (Active)
生理活性	Fully biologically active determined by dose dependent increase in HT-2 cell proliferation. ED ₅₀ is ≤1.04 ng/ml, corresponding to a specific activity of 0.96 x 10 ⁶ units/mg.
精製度	≥ 95 % SDS-PAGE. =95% by HPLC
エンドトキシン・レベル	≤0.005 Eu/μg
発現系	HEK 293 cells
アクセッション番号	P07750
タンパク質長	Full length protein
Animal free	Yes
キャリア・フリー	はい
由来	Recombinant
生物種	Mouse
配列	<div> HIHGCDKNHL REIIGILNEV TGEGTPCTEM DVPNVLTATK NTTESELVCR ASKVLRI FYL KHGKTPCLKK NSSVLMELQR LFRAFRCLDS SISCTMNESK STSLKDFLES LKSIMQMDYS </div>
予測される分子量	14 kDa
実際の分子量	14 kDa
分子量情報	Predicted mass is 13615.11 Da (+/- 10 Da by ESI TOF). Observed mass is 13616.32 Da (and + 80 Da due to phosphorylation)
領域	21 to 140
配列の追加情報	Full-length mature chain lacking the signal peptide, N-terminal glycine.

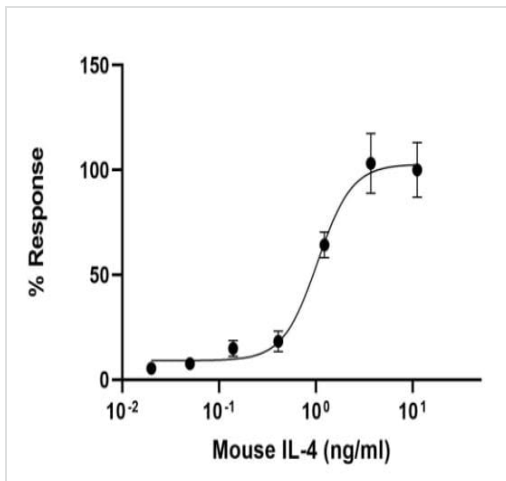
特性

Our **Abpromise guarantee** covers the use of **ab259406** 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 Cell Culture

	SDS-PAGE
	HPLC
	Functional Studies
	Mass Spectrometry
製品の状態	Lyophilized
前処理および保存	
保存方法および安定性	<p>Shipped at Room Temperature. Store at Room Temperature.</p> <p>pH: 6.00</p> <p>Constituents: 0.727% Dibasic monohydrogen potassium phosphate, 0.248% Monobasic dihydrogen potassium phosphate, 10.26% Trehalose</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
再構成	<p>Reconstitute with phosphate buffered saline. Store lyophilized form at room temperature.</p> <p>Reconstitute, aliquot and store at -80°C for 12 months or +4°C for 1 week. Avoid repeated freeze-thaw. Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the product. Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the product.</p>
関連情報	
機能	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.
関連疾患	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.
配列類似性	Belongs to the IL-4/IL-13 family.
細胞内局在	Secreted.
画像	



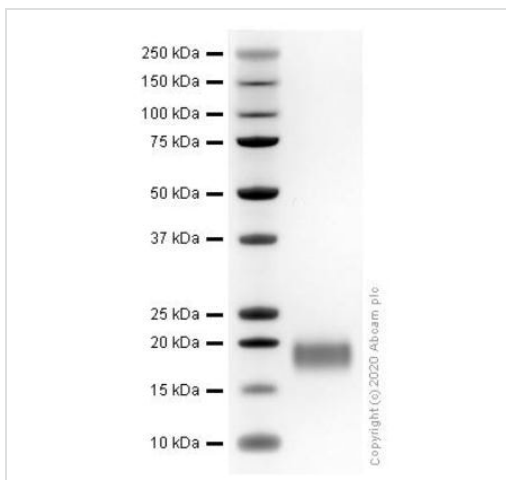
Functional Studies - Recombinant human IL-4 protein (Active) (ab259406)

Fully biologically active determined by dose dependent increase in HT-2 cell proliferation.

ED₅₀ is ≤1.04 ng/ml, corresponding to a specific activity of 0.96 x 10⁶ units/mg.

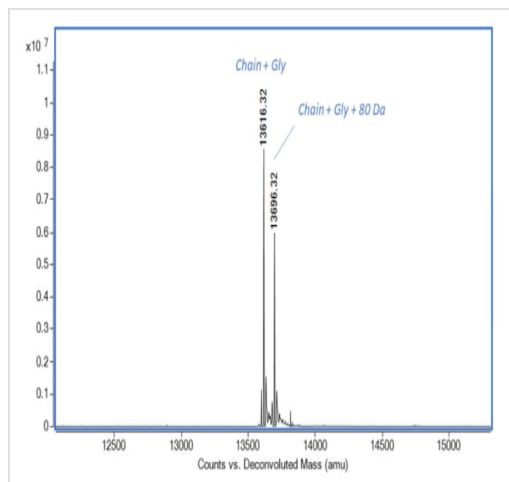
Cell based assay testing is performed on the first lot of protein only and is provided as a reference for protein activity; subsequent lots of protein must pass all biophysical quality control parameters that meet the same parameters as the first lot.

Lot: GR3372567-1



SDS-PAGE - Recombinant human IL-4 protein (Active) (ab259406)

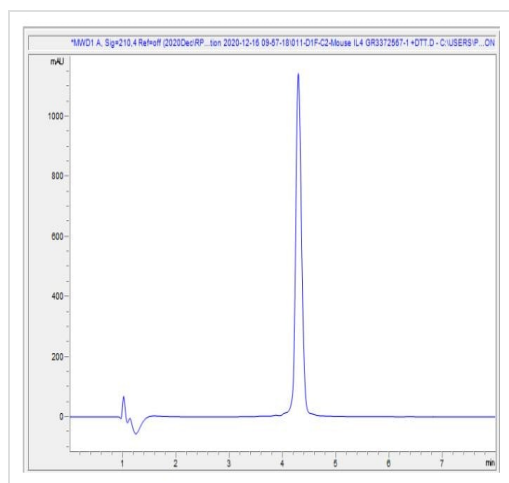
SDS-PAGE analysis of ab259406.



Mass Spectrometry - Recombinant human IL-4 protein (Active) (ab259406)

Determination of mass by ESI TOF.

Predicted mass is 13615.11 Da (+/- 10 Da by ESI TOF). Observed mass is 13616.32 Da (and + 80 Da due to phosphorylation).



HPLC - Recombinant human IL-4 protein (Active) (ab259406)

HPLC analysis of ab259406.

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

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