

Product datasheet

Recombinant mouse IL-13 protein (Active) ab270080

[4 Images](#)

Description

Product name	Recombinant mouse IL-13 protein (Active)
Biological activity	Fully biologically active when compared to standard. Determined by the dose dependant proliferation of TF-1 cell line. ED ₅₀ is ≤ 1.892 ng/mL, corresponding to a specific activity of 5.29 x 10 ⁵ units/mg.
Purity	≥ 95 % Immunogen affinity purified. Purity by HPLC ≥95%.
Endotoxin level	< 0.005 Eu/μg
Expression system	HEK 293 cells
Accession	P20109
Protein length	Full length protein
Animal free	No
Carrier free	Yes
Nature	Recombinant
Species	Mouse
Predicted molecular weight	12 kDa
Molecular weight information	M+1.63 Da, pass (+655 Da: Hex(1)HexNAc(1)NeuAc(1)). Calc MW 12409.37 Da APGPVPRSVS LPLTLKELIE ELSNITQDQT PLCNGSMVWS VDLAAGGFCV ALDSL TNISN CNAIYRTQRI LHGLCNRKAP TTVSSLPDTK IEVAHFITKL LSYTKQLFRH GPF
Amino acids	19 to 131
Additional sequence information	N-terminal glycine Full-length mature chain lacking the signal peptide.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab270080** in the following tested applications.

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

Applications	Cell Culture
	Functional Studies
	HPLC
	Mass Spectrometry

SDS-PAGE

Form Lyophilized

Additional notes This protein is filter sterilised prior to aliquoting and lyophilisation. All aliquoting and lyophilisation steps are performed in a sterile environment

Preparation and Storage

Stability and Storage Shipped at Room Temperature. Store at Room Temperature.

Information available upon request.

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

Reconstitution

Reconstitute with phosphate buffered saline. Store lyophilized form at room temperature.

Reconstitute, aliquot and store at -80°C for 12 months or +4°C for 1 week. Avoid repeated freeze-thaw.

General Info

Function

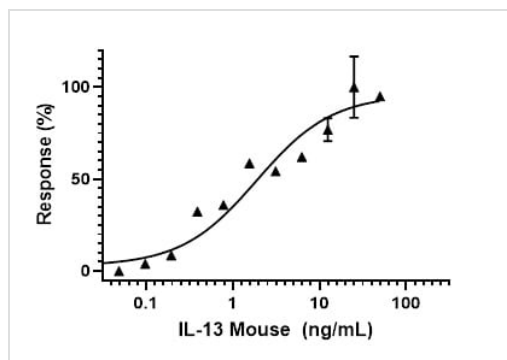
Cytokine (PubMed:8096327, PubMed:8097324). Inhibits inflammatory cytokine production (PubMed:8096327). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:8096327). May be critical in regulating inflammatory and immune responses (PubMed:8096327, PubMed:8097324). Positively regulates IL31RA expression in macrophages.

Involvement in disease Allergic rhinitis

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

Cellular localization Secreted.

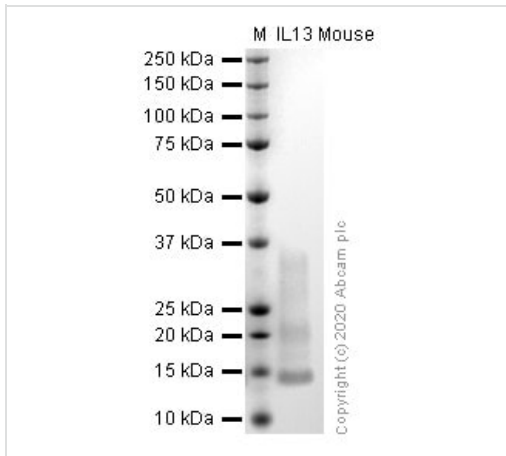
Images



Functional Studies - Recombinant mouse IL-13 protein (Active) (ab270080)

Fully biologically active when compared to standard. Determined by the dose dependant proliferation of TF-1 cell line.

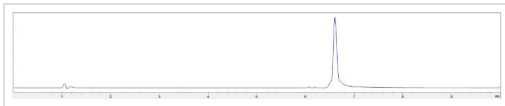
ED₅₀ is ≤ 1.892 ng/mL, corresponding to a specific activity of 5.29×10^5 units/mg.



SDS-PAGE - Recombinant mouse IL-13 protein
(Active) (ab270080)

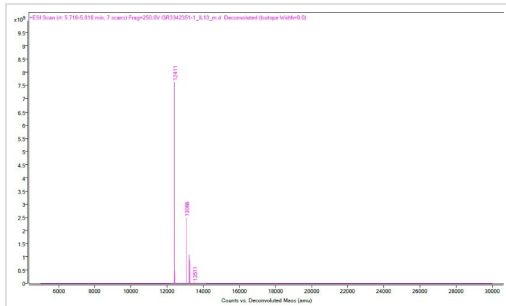
SDS-PAGE analysis of ab270080.

The protein has multiple N-linked glycosylations.



HPLC - Recombinant mouse IL-13 protein (Active)
(ab270080)

Purity by HPLC $\geq 95\%$.



Mass Spectrometry - Recombinant mouse IL-13
protein (Active) (ab270080)

M+1.63 Da, pass (+655 Da: Hex(1)HexNAc(1)NeuAc(1)). Calc
MW 12409.37 Da

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

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