

Recombinant mouse Interferon gamma protein (Active) ab259378

4 图像

描述

产品名称	重组小鼠Interferon gamma蛋白(Active)
生物活性	Fully biologically active determined by the dose dependent reduction in the cytopathic effect of viral infection of L929 cells. ED ₅₀ for this effect is 1.66 ng/ml corresponding to a specific activity of 0.602 x 10 ⁶ units/mg.
纯度	>= 95 % SDS-PAGE. =95% by HPLC
内毒素水平	<=0.005 Eu/μg
表达系统	HEK 293 cells
Accession	<u>P01580</u>
蛋白长度	Full length protein
无动物成分	Yes
无载体	是
性质	Recombinant
种属	Mouse
序列	CYCHGTVIES LESLNRYFNS SGIDVEEKSL FLDIWRNWQK DGMKILQSQ IISFYLRRLF VLKDNQAISN NISVIESHLI TFFSNSKAK KDAFMSIAKF EVNNPQVQRQ AFNELIRVVH QLLPESLRK RKRSRC
预测分子量	16 kDa
实际分子量	16 kDa
分子量信息	Predicted mass is 15948.66 Da (+/- 10Da by ESI TOF). Observed mass is 15949.73 Da.
氨基酸	20 to 155
额外的序列信息	N-terminal glycine tag.

技术指标

Our **Abpromise guarantee** covers the use of **ab259378** in the following tested applications.

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

应用 Functional Studies

Mass Spectrometry

HPLC

SDS-PAGE

形式

Lyophilized

制备和贮存

稳定性和存储

Shipped at Room Temperature. Store at Room Temperature.

pH: 6.00

Constituents: 0.727% Dibasic monohydrogen potassium phosphate, 0.248% Monobasic dihydrogen potassium phosphate, 10.26% Trehalose

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

复溶

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. 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.

常规信息

功能

Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

组织特异性

Released primarily from activated T lymphocytes.

疾病相关

In Caucasians, genetic variation in IFNG is associated with the risk of aplastic anemia (AA) [MIM:609135]. AA is a rare disease in which the reduction of the circulating blood cells results from damage to the stem cell pool in bone marrow. In most patients, the stem cell lesion is caused by an autoimmune attack. T-lymphocytes, activated by an endogenous or exogenous, and most often unknown antigenic stimulus, secrete cytokines, including IFN-gamma, which would in turn be able to suppress hematopoiesis.

序列相似性

Belongs to the type II (or gamma) interferon family.

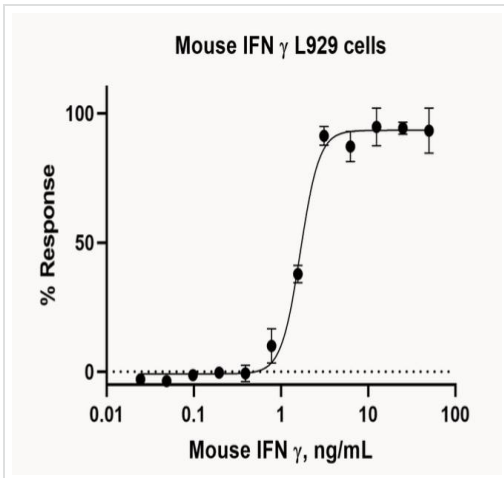
翻译后修饰

Proteolytic processing produces C-terminal heterogeneity, with proteins ending alternatively at Gly-150, Met-157 or Gly-161.

细胞定位

Secreted.

图片



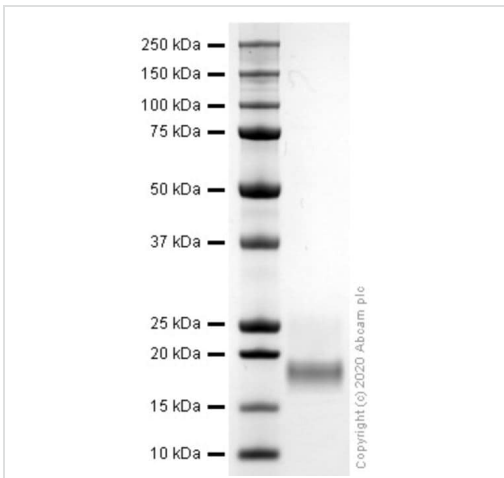
Functional Studies - Recombinant mouse Interferon gamma protein (Active) (ab259378)

Fully biologically active determined by the dose dependent reduction in the cytopathic effect of viral infection of L929 cells.

ED₅₀ for this effect is 1.66 ng/ml corresponding to a specific activity of 0.602 x 10⁶ units/mg.

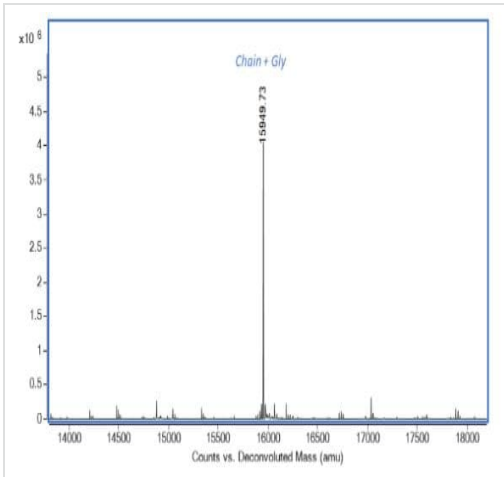
Cell based assay testing is performed on the first lot of protein only and is provided as a reference for protein activity; subsequent lots of protein must pass all biophysical quality control parameters that meet the same parameters as the first lot.

Lot: GR3372560-1



SDS-PAGE - Recombinant mouse Interferon gamma protein (Active) (ab259378)

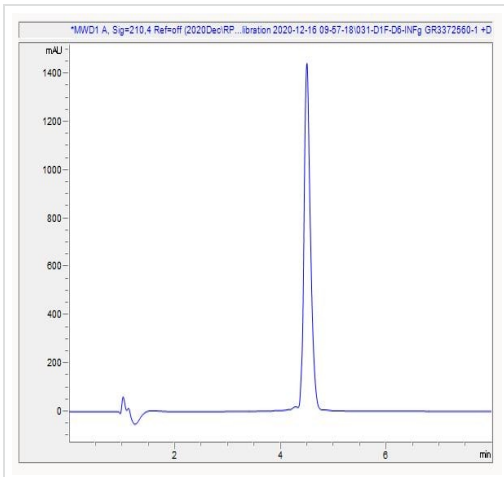
SDS-PAGE analysis of ab259378.



Mass Spectrometry - Recombinant Mouse Interferon gamma protein (Active) (ab259378)

Mass determination by ESI TOF.

Predicted mass is 15948.66 Da (+/- 10Da by ESI TOF). Observed mass is 15949.73 Da



HPLC - Recombinant mouse Interferon gamma protein (Active) (ab259378)

HPLC analysis of ab259378.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors