abcam

Product datasheet

Recombinant mouse TNFSF18/GITRL protein (Fc Chimera Active) ab219721

3 Images

Description

Product name	Recombinant mouse TNFSF18/GITRL protein (Fc Chimera Active)
Biological activity	Measured by its binding ability in a functional ELISA. Immobilized Mouse GITR, His Tag at 10µg/mL (100 µL/well) can bind ab219721 with a linear range of 0.007-0.256 µg/mL.
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	Q7TS55
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	TAIESCMVKFELSS SKWHMTSPKP HCVNTTSDGK LKILQSGTYL IYGQVIPVDK KYIKDNAPFV VQIYKKNDVL QTLMNDFQIL PIGGVYELHA GDNIYLKFNS KDHIQKTNTY WGIILMPDLP FIS
Predicted molecular weight	41 kDa including tags
Amino acids	47 to 173
Additional sequence information	This protein carries a human IgG1 Fc tag at the N terminus. (Accession # AAO89011).

Specifications

Our **Abpromise guarantee** covers the use of **ab219721** in the following tested applications.

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

Applications	Functional Studies
	SDS-PAGE
Form	Lyophilized

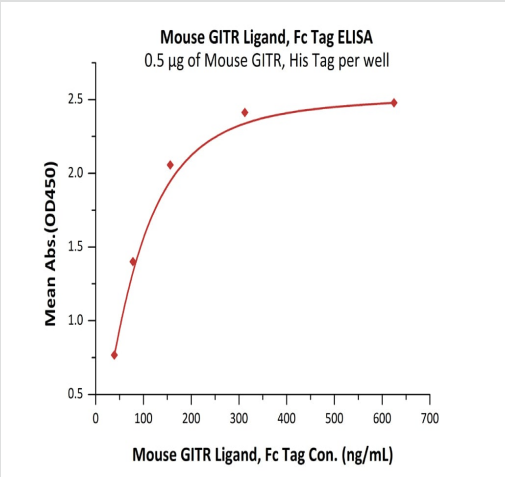
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at 4°C (stable for up to 12 months). Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 0.61% Tris, 0.75% Glycine, 5% Trehalose, 0.44% L-Arginine, 0.87% Sodium chloride Lyophilized from 0.22 µm filtered solution. Note: 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.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

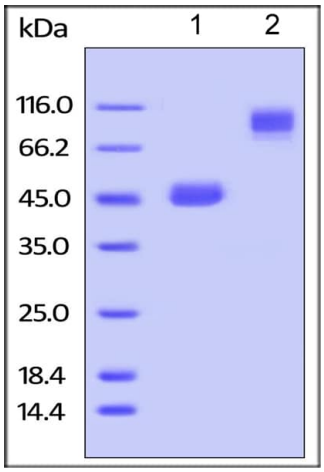
Function	Cytokine that binds to TNFRSF18/AITR/GITR. Important for interactions between activated T-lymphocytes and endothelial cells and may modulate T-lymphocyte survival in peripheral tissues.
Tissue specificity	Expressed at high levels in the small intestine, ovary, testis, kidney and endothelial cells.
Sequence similarities	Belongs to the tumor necrosis factor family.
Cellular localization	Membrane.

Images



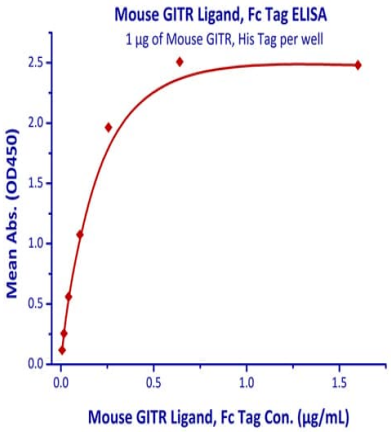
Functional Studies - Recombinant mouse TNFSF18/GITRL protein (Fc Chimera Active) (ab219721)

Immobilized Mouse GITR (His Tag) at 5 µg/mL (100 µL/well) can bind Mouse GITR Ligand (Fc Tag) with a linear range of 5-156 ng/mL (QC tested).



SDS-PAGE - Recombinant mouse TNFSF18/GITRL protein (Fc Chimera Active) (ab219721)

SDS-PAGE analysis of ab219721 under reducing (lane 1) and non-reducing conditions (lane 2); stained overnight with Coomassie Blue.



Functional Studies - Recombinant mouse TNFSF18/GITRL protein (Fc Chimera Active) (ab219721)

Immobilized Mouse GITR, His Tag at 10 μg/mL (100 μL/well) can bind ab219721 with a linear range of 0.007-0.256 μg/mL.

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.com/abpromise** or contact our technical team.

Terms and conditions

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