

Product datasheet

Recombinant mouse BAFF-R protein (Active) ab219672

3 Images

Description

Product name	Recombinant mouse BAFF-R protein (Active)	
Biological activity	Immobilized Recombinant human BAFF protein (Active) (ab219693) at 5 µg/mL (100 µL/well) can bind ab219672 with a linear range of 0.2-4 ng/mL.	
Purity	> 95 % SDS-PAGE. >95% as determined by SEC-HPLC.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	HEK 293 cells	
Accession	Q9D8D0	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	SQRSRDSSVPTQCNQTECFDPLVRNCVSCELFHTPDTG HTSSLEPGTALQ PQEGSALRPDVA	
Predicted molecular weight	33 kDa including tags	
Molecular weight information	As a result of glycosylation, the protein migrates as 40-45 kDa under reducing condition, and 80-100 kDa under non-reducing condition.	
Amino acids	10 to 71	
Tags	Fc tag C-Terminus	
Additional sequence information	Fused to human IgG1 Fc tag at the C-terminal.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab219672** in the following tested applications.

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

Applications	HPLC
	ELISA
	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage

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

pH: 7.4

Constituents: 0.75% Glycine, 0.61% Tris buffer, 5% Trehalose, L-Arginine, Sodium chloride

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.

Reconstitution

Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

Function

B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response.

Tissue specificity

Highly expressed in spleen and lymph node, and in resting B-cells. Detected at lower levels in activated B-cells, resting CD4+ T-cells, in thymus and peripheral blood leukocytes.

Involvement in disease

Defects in TNFRSF13C are the cause of immunodeficiency common variable type 4 (CVID4) [MIM:613494]; also called antibody deficiency due to BAFFR defect. CVID4 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.

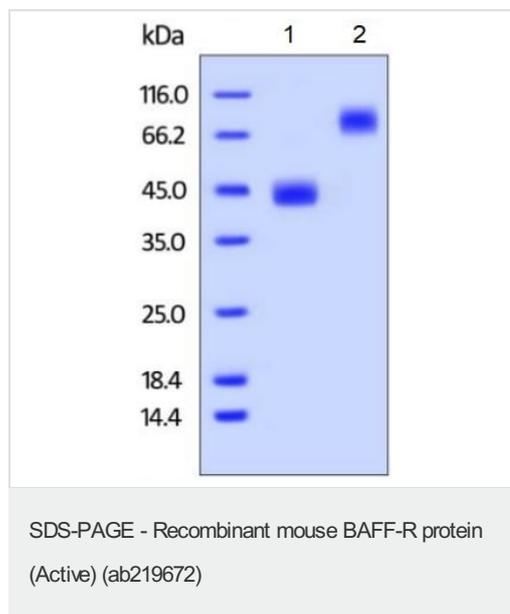
Sequence similarities

Contains 1 TNFR-Cys repeat.

Cellular localization

Membrane.

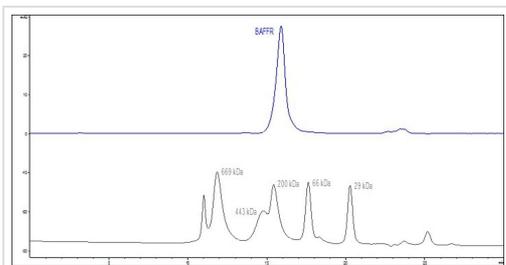
Images



ab219672 on SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.

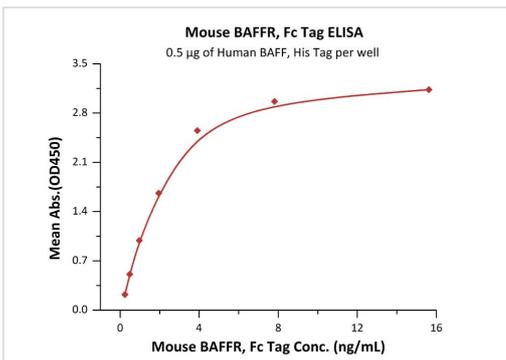
The gel was stained overnight with Coomassie Blue.

As a result of glycosylation, the protein migrates as 40-45 kDa under reducing conditions and 80-100 kDa under non-reducing conditions.



The purity of ab219672 was greater than 95% as determined by SEC-HPLC

HPLC - Recombinant mouse BAFF-R protein
(Active) (ab219672)



Immobilized Recombinant human BAFF protein (Active) (ab219693) at 5 µg/mL (100 µL/well) can bind ab219672 with a linear range of 0.2-4 ng/mL.

ELISA - Recombinant mouse BAFF-R protein
(Active) (ab219672)

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

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