abcam

Product datasheet

Recombinant human BAFF protein (Animal Free) ab217459

Description

Product name	Recombinant human BAFF protein (Animal Free)
Biological activity	Determined by a mouse splenocyte survival assay. The expected ED_{50} for this effect is 0.5-2.0 µg/ml.
Purity	> 95 % SDS-PAGE. assessed also by HPLC
Expression system	Escherichia coli
Accession	Q9Y275
Protein length	Full length protein
Animal free	Yes
Nature	Recombinant
Species	Human
Sequence	AVQGPEETVTQDCLQLIADSETPTIQKGSYTFVPWLLSFK RGSALEEKEN KILVKETGYFFIYGQVLYTDKTYAMGHLIQRKKVHVFGDELS LVTLFRCI QNMPETLPNNSCYSAGIAKLEEGDELQLAIPRENAQISLDG DVTFFGALK LL
Predicted molecular weight	17 kDa
Amino acids	134 to 285
Additional sequence information	mature full length containing the TNF-like portion of the extracellular domain

Specifications

Our **Abpromise guarantee** covers the use of **ab217459** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B-and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B-cells and the B-cell response.
Tissue specificity	Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver, thymus, and pancreas.
Sequence similarities	Belongs to the tumor necrosis factor family.
Post-translational modifications	The soluble form derives from the membrane form by proteolytic processing. N-glycosylated.
Cellular localization	Secreted and Cell membrane.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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