B-Cell Activating Factor Receptor (BAFFR) ELISA Kit for Camel

PRODUCT OVERVIEW

Product Name	B-Cell Activating Factor Receptor (BAFFR), ELISA Kit
Full Product Name	Camel B-Cell Activating Factor Receptor ELISA Kit
Product Gene Name	BAFFR elisa kit
Species Reactivity	Camel
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	18,864 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (42321036..42322821, complement). Location: 22q13.1-q13.31
OMIM	606269
3D Structure	ModBase 3D Structure for Q96RJ3
Related Product Information for BAFFR elisa kit	MBS052935 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the B-Cell Activating Factor Receptor (BAFFR) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing BAFFR. The ELISA analytical biochemical technique of the MBS052935 kit is based on BAFFR antibody-BAFFR antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect BAFFR antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, BAFFR. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of BAFFR elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BAFFR. It may not necessarily be applicable to this product.

NCBI GI #	85567349
NCBI GeneID	115650
NCBI Accession #	AAI12031.1
UniProt Primary Accession #	Q96RJ3
UniProt Related Accession #	Q96RJ3
NCBI Official Full Name	BAFF receptor
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 13C
NCBI Official Symbol	TNFRSF13C
NCBI Official Synonym Symbols	BAFFR; CD268; CVID4; BAFF-R; BROMIX; prolixin
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 13C
UniProt Synonym Protein Names	B-cell-activating factor receptor; BAFF receptor; BAFF-R; BLyS receptor 3
Protein Family	Tumor necrosis factor receptor superfamily
UniProt Gene Name	TNFRSF13C

UniProt Synonym Gene Names	BAFFR; BR3; BAFF-R
UniProt Entry Name	TR13C_HUMAN
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13C; BAFF receptor; BLyS receptor 3; B cell-activating factor receptor; B-cell-activating factor receptor
NCBI Summary for BAFFR	B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. Overexpression of Baff in mice results in mature B-cell hyperplasia and symptoms of systemic lupus erythematosus (SLE). Also, some SLE patients have increased levels of BAFF in serum. Therefore, it has been proposed that abnormally high levels of BAFF may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. The protein encoded by this gene is a receptor for BAFF and is a type III transmembrane protein containing a single extracellular cysteine-rich domain. It is thought that this receptor is the principal receptor required for BAFF-mediated mature B-cell survival. [provided by RefSeq, Jul 2008]
UniProt Comments for BAFFR	BAFF-R: B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response. Defects in TNFRSF13C are the cause of immunodeficiency common variable type 4 (CVID4); 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. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell cycle regulation; Receptor, misc.; Cell surface; Membrane protein, integral Chromosomal Location of Human Ortholog: 22q13.1-q13.31 Cellular Component: integral to membrane; external side of plasma membrane Biological Process: B cell costimulation; B cell homeostasis; T cell costimulation; positive regulation of germinal center formation; positive regulation of B cell proliferation; positive regulation of T cell proliferation; positive regulation of interferon-gamma biosynthetic process Disease: Immunodeficiency, Common Variable, 2; Immunodeficiency, Common Variable, 4
Research Articles on BAFFR	**1.** BAFF-R, but not BAFF, may have a role in progression-free survival and overall survival in follicular lymphoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/baffr-camel-elisa-kits/b-cell-activating-factor-receptor/52935