Bcl2 Modifying Factor (BMF) ELISA Kit for Sheep

PRODUCT OVERVIEW

Product Name	Bcl2 Modifying Factor (BMF), ELISA Kit
Full Product Name	Sheep Bcl2 Modifying Factor ELISA Kit
Product Gene Name	BMF elisa kit
Species Reactivity	Sheep
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	20,508 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (40380091..40401075, complement). Location: 15q14
OMIM	606266
3D Structure	ModBase 3D Structure for Q96LC9
Related Product Information for BMF elisa kit	MBS036282 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Bcl2 Modifying Factor (BMF) 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 BMF. The ELISA analytical biochemical technique of the MBS036282 kit is based on BMF antibody-BMF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect BMF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, BMF. 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 BMF 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 BMF. It may not necessarily be applicable to this product.

NCBI GI #	119612799
NCBI GeneID	90427
NCBI Accession #	EAW92393.1
UniProt Primary Accession #	Q96LC9
UniProt Secondary Accession #	Q2M396; Q6NT30; Q6NT56; Q6P9F6; Q7Z7D4; Q7Z7D5; Q9H7K7
UniProt Related Accession #	Q96LC9
NCBI Official Full Name	Bcl2 modifying factor
NCBI Official Synonym Full Names	Bcl2 modifying factor
NCBI Official Symbol	BMF
UniProt Protein Name	Bcl-2-modifying factor
Protein Family	Bcl-2-modifying factor
UniProt Gene Name	BMF

UniProt Entry Name	BMF_HUMAN
NCBI Protein Information	bcl-2-modifying factor
NCBI Summary for BMF	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains a single BCL2 homology domain 3 (BH3), and has been shown to bind BCL2 proteins and function as an apoptotic activator. This protein is found to be sequestered to myosin V motors by its association with dynein light chain 2, which may be important for sensing intracellular damage and triggering apoptosis. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
UniProt Comments for BMF	BMF: May play a role in apoptosis. Isoform 1 seems to be the main initiator. Interacts with MCL1, BCL2, BCL2L1/BCL-Xl, BCL2A1 and BCL2L2/BCL-w. Interacts with the myosin V actin motor complex through its binding to DLC2. Isoform 1 is mainly expressed in B-lymphoid cells. Isoform 2 and isoform 3 are mainly expressed in B-CLL and normal B-cells. Belongs to the Bcl-2 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cytoskeletal; Apoptosis Chromosomal Location of Human Ortholog: 15q14 Cellular Component: mitochondrial outer membrane; acrosome; plasma membrane; cytosol; myosin complex Molecular Function: protein binding Biological Process: apoptosis; positive regulation of protein homooligomerization; anoikis
Research Articles on BMF	**1.** Diva binds peptides derived from the BH3 domain of several other proapoptotic Bcl-2 proteins, including mouse Harakiri, Bid, Bak and Bmf.
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