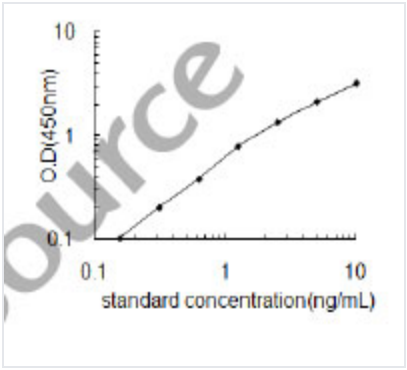
LEF1/Lymphoid Enhancer-Binding Factor 1 (LEF1) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	LEF1/Lymphoid Enhancer-Binding Factor 1, ELISA Kit
Full Product Name	Mouse LEF1/Lymphoid Enhancer-Binding Factor 1 ELISA Kit
Product Gene Name	LEF1 elisa kit
Product Synonym Names	Lymphoid enhancer-binding factor 1; Lef-1
Species Reactivity	Mouse
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.156-10 ng/mL
Sensitivity	< 0.09 ng/mL
Specificity	Recombinant and natural Mouse Lymphoid enhancer-binding factor 1,LEF-1
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.
Inter-assay Precision	Inter-Assay CV: <=9.1%
Intra-assay Precision	Intra-Assay CV: <=5.5%
3D Structure	ModBase 3D Structure for P27782
Related Product Information for LEF1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of LEF1 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.
Searchable Terms for LEF1 purchase	MBS2890484 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the LEF1/Lymphoid Enhancer-Binding Factor 1, 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 LEF1. The ELISA analytical biochemical technique of the MBS2890484 kit is based on LEF1 antibody-LEF1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect LEF1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, LEF1. 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(%).



Typical Testing Data/Standard Curve (for reference only) of LEF1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LEF1. It may not necessarily be applicable to this product.

NCBI GI #	27735019
NCBI GeneID	16842
NCBI Accession #	NP_034833.2
UniProt Primary Accession #	P27782
UniProt Related Accession #	P27782
GenBank Nucleotide #	NM_010703.4
NCBI Official Full Name	lymphoid enhancer-binding factor 1 isoform a
NCBI Official Synonym Full Names	lymphoid enhancer binding factor 1
NCBI Official Symbol	Lef1
NCBI Official Synonym Symbols	Lef-1; AI451430; 3000002B05
UniProt Protein Name	Lymphoid enhancer-binding factor 1
Protein Family	Lymphoid enhancer-binding factor
UniProt Gene Name	Lef1
UniProt Synonym Gene Names	Lef-1; LEF-1
NCBI Protein Information	lymphoid enhancer-binding factor 1
UniProt Comments for LEF1	Participates in the Wnt signaling pathway. Activates transcription of target genes in the presence of CTNNB1 and EP300. May play a role in hair cell differentiation and follicle morphogenesis. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1 (). Regulates T-cell receptor alpha enhancer function. Binds DNA in a sequence-specific manner. PIASG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1.
Research Articles on LEF1	**1.** High LEF1 expression is associated with Melanoma.
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.
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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.

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