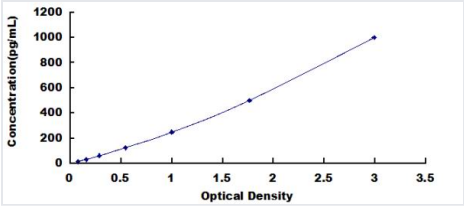
Defensin Beta 131 (DEFb131) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Defensin Beta 131 (DEFb131), ELISA Kit
Full Product Name	Human Defensin Beta 131 (DEFb131) ELISA Kit
Product Gene Name	DEFb131 elisa kit
Product Synonym Names	DEFB-31
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates or Other Biological Fluids.
Detection Range	15.6-1000pg/mL
Sensitivity	5.7pg/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	8,199 Da
3D Structure	ModBase 3D Structure for P59861
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DEFb131 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DEFb131. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DEFb131. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DEFb131, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of DEFb131 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of DEFb131 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 DEFb131 purchase	MBS458824 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Defensin Beta 131 (DEFb131) 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 DEFb131. The ELISA analytical biochemical technique of the MBS458824 kit is based on DEFb131 antibody-DEFb131 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DEFb131 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DEFb131. 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 DEFb131 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DEFb131. It may not necessarily be applicable to this product.

NCBI GI #	149944551
NCBI GeneID	644414
NCBI Accession #	NP_001035538.2
UniProt Primary Accession #	P59861
UniProt Related Accession #	P59861
GenBank Nucleotide #	NM_001040448.2
NCBI Official Full Name	beta-defensin 131A
NCBI Official Synonym Full Names	defensin beta 131A
NCBI Official Symbol	DEFB131A
NCBI Official Synonym Symbols	DEFB-31; DEFB131
UniProt Protein Name	Beta-defensin 131A
UniProt Synonym Protein Names	Beta-defensin 31; DEFB-31; Defensin, beta 131
Protein Family	Beta-defensin
UniProt Gene Name	DEFB131A
UniProt Synonym Gene Names	DEFB-31
NCBI Protein Information	beta-defensin 131A
NCBI Summary for DEFb131	Defensins are cysteine-rich cationic polypeptides that are important in the immunologic response to invading microorganisms. The antimicrobial protein encoded by this gene is secreted and is a member of the beta defensin protein family. Beta defensin genes are found in several clusters throughout the genome, with this gene mapping to a cluster at 4p16. [provided by RefSeq, Nov 2014]
UniProt Comments for DEFb131	Has antibacterial activity (Probable). Upon stimulation with lipoteichoic acid, promotes cytokines and chemokines production and secretion (PubMed:26649771).
Research Articles on DEFb131	**1.** The protein encoded by this gene is thought to display antimicrobial activity.
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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