

Human Defensin Beta 2 (DEFb2) ELISA Kit | DEFb2 elisa kit

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CATALOG #
AAA20694

REACTIVITY
Human

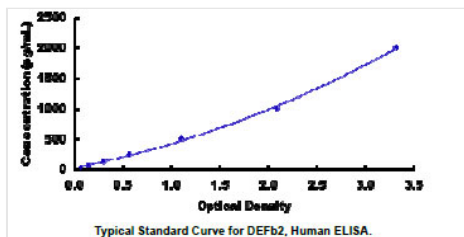
PRODUCT SYNONYMS

Defensin Beta 2 (DEFb2); Human Defensin Beta 2 (DEFb2) ELISA Kit; B-DF2; DEFB2; BD2; DEF-B2; HBD2; DEFB102; HBD-2; SAP1; DEFB4A; DEFB4; Skin-Antimicrobial Peptide 1; DEFb2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFb2. No significant cross-reactivity or interference between DEFb2 and analogues was observed.
Sequence Length	71
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	13.2pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFb2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DEFb2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFb2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DEFb2 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DEFb2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DEFb2. 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 DEFb2, 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 DEFb2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DEFb2 elisa kit	Infection immunity
References	Antibacterial and pro-osteogenic effects of beta-Defensin-2-loaded mesoporous bioglass; Dent Mater J; 2021 Mar 31;40(2):464-471.; PMID: 33361660; Le Ren; Department of Oral, The First Affiliated Hospital of Xi'an Jiaotong University.China

NCBI AND UNIPROT INFORMATION

NCBI GI #	80478968
NCBI GeneID	13215
UniProt Accession #	P82020
Molecular Weight	7,820 Da
NCBI Official Full Name	Defensin beta 2
NCBI Official Synonym Full Names	defensin beta 2
NCBI Official Symbol	Defb2
NCBI Official Synonym Symbols	BD-2
NCBI Protein Information	beta-defensin 2
UniProt Protein Name	Beta-defensin 2
UniProt Gene Name	Defb2
UniProt Synonym Gene Names	BD-2; mBD-2
UniProt Entry Name	DEFB2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/defensin-beta-2-defb2/20694>