

Human Defensin Beta 1 (DEFb1) RTU ELISA Kit | DEFb1 rtu elisa kit

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CATALOG #
AAA70198

REACTIVITY
Human

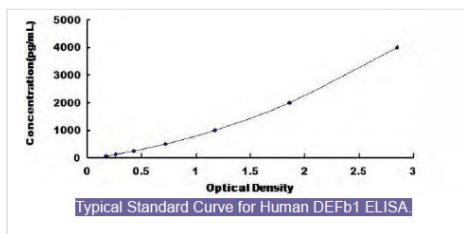
PRODUCT SYNONYMS

Defensin Beta 1 (DEFb1); Human Defensin Beta 1 (DEFb1) ELISA Kit; B-DF1; DEFB1; BD1; DEF-B1; DEFB101; HBD1; DEFb1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFb1. No significant cross-reactivity or interference between DEFb1 and analogues was observed.
Sequence Length	68
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	< 25.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFb1 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 DEFb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFb1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DEFb1 in human serum, plasma, tissue homogenates, cell lysates, 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 DEFb1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DEFb1. 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 DEFb1, 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 DEFb1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885181
NCBI GeneID	1672
NCBI Accession #	NP_005209.1
NCBI GenBank Nucleotide #	NM_005218.3
UniProt Accession #	P60022; Q09753
Molecular Weight	7,420 Da
NCBI Official Full Name	beta-defensin 1 preproprotein
NCBI Official Synonym Full Names	defensin beta 1
NCBI Official Symbol	DEFB1
NCBI Official Synonym Symbols	BD1; HBD1; DEFB-1; DEFB101
NCBI Protein Information	beta-defensin 1
UniProt Protein Name	Beta-defensin 1
UniProt Gene Name	DEFB1
UniProt Synonym Gene Names	BD1; HBD1; BD-1; hBD-1

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-rtu-elisa-kits/defensin-beta-1-defb1/70198>