

Human Defensin Beta 3 (DEFB3) ELISA Kit | DEFB103B elisa kit

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CATALOG #
AAA219764

REACTIVITY
Human

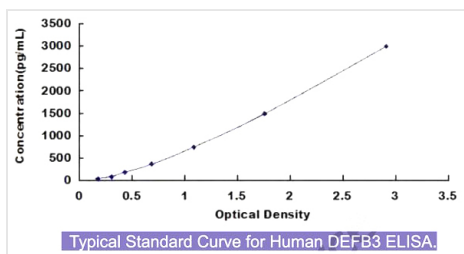
PRODUCT SYNONYMS

Defensin Beta 3 (DEFB3); Human Defensin Beta 3 (DEFB3) ELISA Kit; DEFB103; DEFB3; HBD-3; HBD3; HBP-3; HBP3; Beta-defensin 3; Defensin-like protein; DEFB103B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFB3. No significant cross-reactivity or interference between DEFB3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	46.875-3000pg/mL
Sensitivity	< 12.55pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFB3 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 DEFB3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFB103B elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DEFB3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DEFB3. 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 DEFB3, 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 DEFB3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DEFB3 in human serum, plasma and other biological fluids.
Product Categories/Family for DEFB103B elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923890
NCBI GeneID	55894
NCBI Accession #	NP_061131.1
NCBI GenBank Nucleotide #	NM_018661.4
UniProt Accession #	P81534; Q8NFG6; Q9NPF6
Molecular Weight	7,697 Da
NCBI Official Full Name	beta-defensin 103
NCBI Official Synonym Full Names	defensin, beta 103B
NCBI Official Symbol	DEFB103B
NCBI Official Synonym Symbols	BD-3; HBD3; HBP3; DEFB3; HBD-3; HBP-3; DEFB-3; DEFB103
NCBI Protein Information	beta-defensin 103; beta-defensin 3; defensin, beta 103; defensin-like protein
UniProt Protein Name	Beta-defensin 103
UniProt Gene Name	DEFB103A
UniProt Synonym Gene Names	BD3; DEFB103; DEFB3; BD-3; DEFB-3; HBD3; hBD-3
UniProt Entry Name	D103A_HUMAN

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.