

Human defensin, alpha 6, Paneth cell-specific ELISA Kit | DEFA6 elisa kit

Human Defensin-6, DEFA6 ELISA Kit

CATALOG #
AAA113033

REACTIVITY
Human

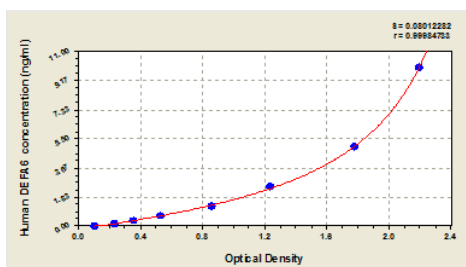
PRODUCT SYNONYMS

defensin; alpha 6; Paneth cell-specific; Human Defensin-6; DEFA6 ELISA Kit; Human Defensin-6 (DEFA6) ELISA kit; DEF6; HD-6; defensin 6; DEFA6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human DEFA6. No significant cross-reactivity or interference between human DEFA6 and analogues was observed.
Sequence Length	100
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	The minimum detectable dose of human DEFA6 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFA6 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for DEFA6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DEFA6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DEFA6 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DEFA6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503305
NCBI GeneID	1671
NCBI Accession #	NP_001917.1
NCBI GenBank Nucleotide #	NM_001926.3
UniProt Accession #	Q01524; Q6EZF9
Molecular Weight	10,975 Da
NCBI Official Full Name	defensin-6 preproprotein
NCBI Official Synonym Full Names	defensin, alpha 6, Paneth cell-specific
NCBI Official Symbol	DEFA6
NCBI Official Synonym Symbols	DEF6; HD-6
NCBI Protein Information	defensin-6; defensin 6
UniProt Protein Name	Defensin-6
UniProt Gene Name	DEFA6
UniProt Synonym Gene Names	DEF6
UniProt Entry Name	DEF6_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.

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Online datasheet: <https://stage.aaabiotech.com/defa6-human-elisa-kits/defensin-alpha-6-paneth-cell-specific/113033>