

Human Defensin Alpha 5, Paneth Cell Specific (DEFa5) ELISA Kit | DEFa5 elisa kit

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CATALOG #
AAA14018

REACTIVITY
Human

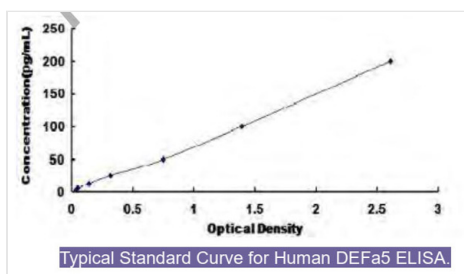
PRODUCT SYNONYMS

Defensin Alpha 5; Paneth Cell Specific (DEFa5); Human Defensin Alpha 5; Paneth Cell Specific (DEFa5) ELISA Kit; DEF-A5; DEF5; HD-5; DEFa5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFa5. No significant cross-reactivity or interference between DEFa5 and analogues was observed.
Sequence Length	94
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	3.12-200pg/mL
Sensitivity	< 1.31pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DEFa5 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 DEFa5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFA5 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DEFA5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DEFA5. 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 DEFA5, 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 DEFA5 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 DEFA5 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10337585
NCBI GeneID	1670
NCBI Accession #	NP_066290.1
NCBI GenBank Nucleotide #	NM_021010.2
UniProt Accession #	Q01523; Q3KNV2; A0JDY6
Molecular Weight	10,071 Da
NCBI Official Full Name	defensin-5 preproprotein
NCBI Official Synonym Full Names	defensin alpha 5
NCBI Official Symbol	DEFA5
NCBI Official Synonym Symbols	DEF5; HD-5
NCBI Protein Information	defensin-5
UniProt Protein Name	Defensin-5
UniProt Gene Name	DEFA5
UniProt Synonym Gene Names	DEF5

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-alpha-5-paneth-cell-specific-defa5/14018>