

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

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

CATALOG #
AAA185238

REACTIVITY
Human

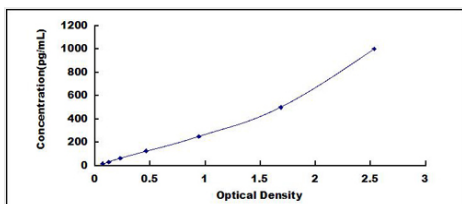
PRODUCT SYNONYMS

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 Defensin Alpha 5, Paneth Cell Specific (DEFa5). No significant cross-reactivity or interference between Defensin Alpha 5, Paneth Cell Specific (DEFa5) and analogues was observed.
Sequence Length	94
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Defensin Alpha 5, Paneth Cell Specific (DEFa5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Defensin Alpha 5, Paneth Cell Specific (DEFa5) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 DEFA5 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Defensin Alpha 5, Paneth Cell Specific (DEFA5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Defensin Alpha 5, Paneth Cell Specific (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 Defensin Alpha 5, Paneth Cell Specific (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 Defensin Alpha 5, Paneth Cell Specific (DEFA5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	50057850
NCBI GeneID	1670
Molecular Weight	10,071 Da
NCBI Official Full Name	defensin, alpha 5, Paneth cell-specific
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/defensin-alpha-5-paneth-cell-specific-defa5/185238>