

Human Defensin Alpha 5, Paneth Cell Specific ELISA Kit | DEFA5 elisa kit

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CATALOG #
AAA99056

REACTIVITY
Human

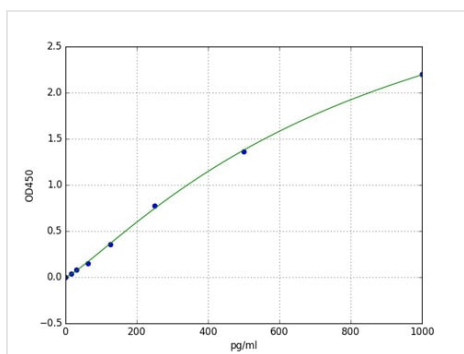
PRODUCT SYNONYMS

Defensin Alpha 5; Paneth Cell Specific; Human Defensin Alpha 5; Paneth Cell Specific ELISA Kit; DEFA5/Defensin-5/Defensin; alpha 5/HD5 (20-94)/DEF5/HD-5; DEFA5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	94
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a DEFA5 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.049	0.137	0.192	0.305	0.536	0.954	1.667	2.153

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFA5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DEFA5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DEFA5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the DEFA5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DEFA5 can be calculated.

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
UniProt Entry Name	DEF5_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/defa5-human-elisa-kits/defensin-alpha-5-paneth-cell-specific/99056>