

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

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CATALOG #
AAA16334

REACTIVITY
Human

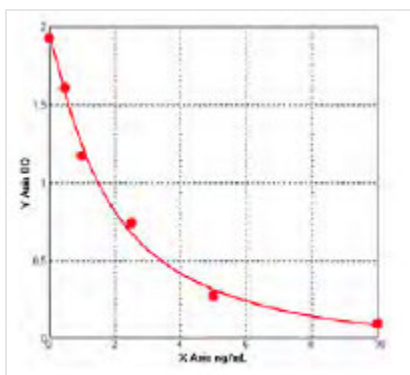
PRODUCT SYNONYMS

Defensin Alpha 5; Paneth Cell Specific; Human Defensin Alpha 5; Paneth Cell Specific ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DEFA5 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFA5 elisa kit	Intended Uses: This DEFA5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DEFA5. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DEFA5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DEFA5 antibody and an DEFA5-HRP conjugate. The assay sample and buffer are incubated together with DEFA5-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DEFA5 concentration since DEFA5 from samples and DEFA5-HRP conjugate compete for the anti-DEFA5 antibody binding site. Since the number of sites is limited, as more sites are DEFA5cupied by DEFA5 from the sample, fewer sites are left to bind DEFA5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFA5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DEFA5 elisa kit	Immunology

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, Paneth cell-specific
NCBI Official Symbol	DEFA5
NCBI Official Synonym Symbols	DEF5; HD-5
NCBI Protein Information	defensin-5; HD5(20-94); defensin 5; defensin, alpha 5, preproprotein
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/defalpha-5-human-elisa-kits/defensin-alpha-5-paneth-cell-specific/16334>