

Chicken Defensin Alpha 5, Paneth Cell Specific ELISA Kit | DEFalpha5 elisa kit

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CATALOG #
AAA90648

REACTIVITY
Chicken

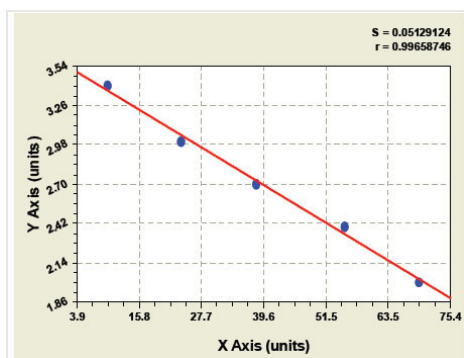
PRODUCT SYNONYMS

Defensin Alpha 5; Paneth Cell Specific; Chicken Defensin Alpha 5; Paneth Cell Specific ELISA Kit; DEFalpha5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This DEFalpha5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken DEFalpha5. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFalpha5 elisa kit

Principle of the Assay: DEFalpha5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DEFalpha5 antibody and an DEFalpha5-HRP conjugate. The assay sample and buffer are incubated together with DEFalpha5-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 DEFalpha5 concentration since DEFalpha5 from samples and DEFalpha5-HRP conjugate compete for the anti-DEFalpha5 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFalpha5 from the sample, fewer sites are left to bind DEFalpha5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFalpha5 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for DEFalpha5 elisa kit

Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	50057850
NCBI GeneID	1670
UniProt Accession #	Q01523; Q3KNV2; A0JDY6
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/defalpha5-chicken-elisa-kits/defensin-alpha-5-paneth-cell-specific/90648>