

Human Defensin 5 ELISA Kit | DEF5 elisa kit

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CATALOG #
AAA87699

REACTIVITY
Human

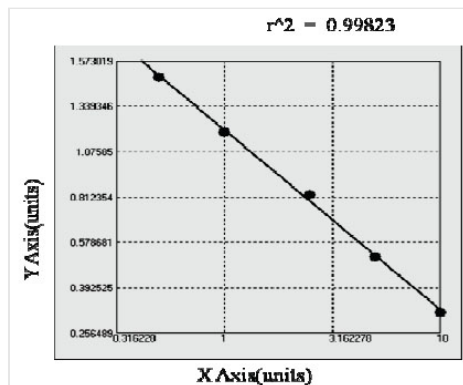
PRODUCT SYNONYMS

Defensin 5; Human Defensin 5 ELISA Kit; DEF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This D5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human D5. 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 DEF5 elisa kit

Principle of the Assay: D5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-D5 antibody and an D5-HRP conjugate. The assay sample and buffer are incubated together with D5-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 D5 concentration since D5 from samples and D5-HRP conjugate compete for the anti-D5 antibody binding site. Since the number of sites is limited, as more sites are occupied by D5 from the sample, fewer sites are left to bind D5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The D5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	399353
NCBI GeneID	1670
Molecular Weight	10,071 Da
NCBI Official Full Name	Defensin-5
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/def5-human-elisa-kits/defensin-5/87699>