

Rat Defensins alpha 2 ELISA Kit | DEFA2 elisa kit

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CATALOG #
AAA86520

REACTIVITY
Rat

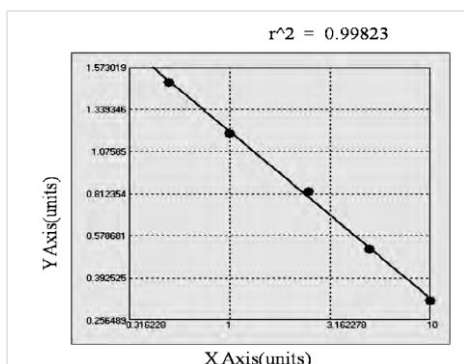
PRODUCT SYNONYMS

Defensins alpha 2; Rat Defensins alpha 2 ELISA Kit; DEFA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This DEFA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DEFA2. 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 DEFA2 elisa kit

Principle of the assay: DEFA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DEFA2 antibody and an DEFA2-HRP conjugate. The assay sample and buffer are incubated together with DEFA2-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 DEFA2 concentration since DEFA2 from samples and DEFA2-HRP conjugate compete for the anti-DEFA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFA2 from the sample, fewer sites are left to bind DEFA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFA2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for DEFA2 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	209572848
Molecular Weight	10,672 Da
NCBI Official Full Name	Defensin-A2
UniProt Protein Name	Defensin-A2
UniProt Gene Name	DefA2
UniProt Synonym Gene Names	OaDefA2
UniProt Entry Name	DEFA2_ORNAN

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/defa2-rat-elisa-kits/defensins-alpha-2/86520>