

Rat Beta-Defensin 14 ELISA Kit | DEFb14 elisa kit

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CATALOG #
AAA96949

REACTIVITY
Rat

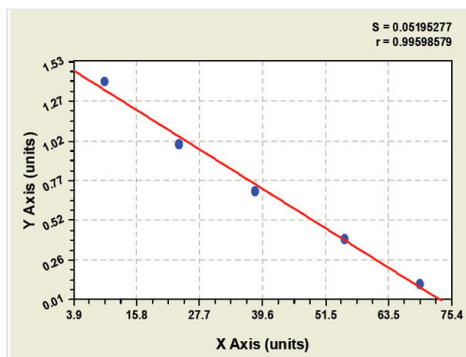
PRODUCT SYNONYMS

Beta-Defensin 14; Rat Beta-Defensin 14 ELISA Kit; DEFb14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This DEFb14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DEFb14. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DEFB14 elisa kit	Principle of the Assay: DEFB14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DEFB14 antibody and an DEFB14-HRP conjugate. The assay sample and buffer are incubated together with DEFB14-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 DEFB14 concentration since DEFB14 from samples and DEFB14-HRP conjugate compete for the anti-DEFB14 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFB14 from the sample, fewer sites are left to bind DEFB14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFB14 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DEFB14 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109732529
NCBI GeneID	244332
Molecular Weight	7,718 Da
NCBI Official Full Name	Defb14 protein
NCBI Official Synonym Full Names	defensin beta 14
NCBI Official Symbol	Defb14
NCBI Official Synonym Symbols	BD-14
NCBI Protein Information	beta-defensin 14
UniProt Protein Name	Beta-defensin 14
UniProt Gene Name	Defb14
UniProt Synonym Gene Names	BD-14; mBD-14
UniProt Entry Name	DFB14_MOUSE

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/defb14-rat-elisa-kits/beta-defensin-14/96949>