

Goat Defensin Beta 2 ELISA Kit | DEFbeta2 elisa kit

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CATALOG #
AAA91912

REACTIVITY
Goat

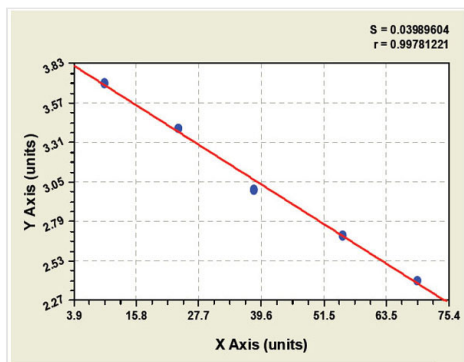
PRODUCT SYNONYMS

Defensin Beta 2; Goat Defensin Beta 2 ELISA Kit; DEFbeta2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/ml
Sensitivity	1.0pg/ml
Intended Uses	This DEFbeta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat DEFbeta2. 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 DEFbeta2 elisa kit

Principle of the assay: DEFbeta2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DEFbeta2 antibody and an DEFbeta2-HRP conjugate. The assay sample and buffer are incubated together with DEFbeta2-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 DEFbeta2 concentration since DEFbeta2 from samples and DEFbeta2-HRP conjugate compete for the anti-DEFbeta2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFbeta2 from the sample, fewer sites are left to bind DEFbeta2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFbeta2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	80478968
NCBI GeneID	13215
Molecular Weight	7,820 Da
NCBI Official Full Name	Defensin beta 2
NCBI Official Synonym Full Names	defensin beta 2
NCBI Official Symbol	Defb2
NCBI Official Synonym Symbols	BD-2
NCBI Protein Information	beta-defensin 2
UniProt Protein Name	Beta-defensin 2
UniProt Gene Name	Defb2
UniProt Synonym Gene Names	BD-2; mBD-2
UniProt Entry Name	DEFB2_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.