

Bovine Defensin Beta 2 ELISA Kit | DEFbeta2 elisa kit

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CATALOG #
AAA90726

REACTIVITY
Bovine

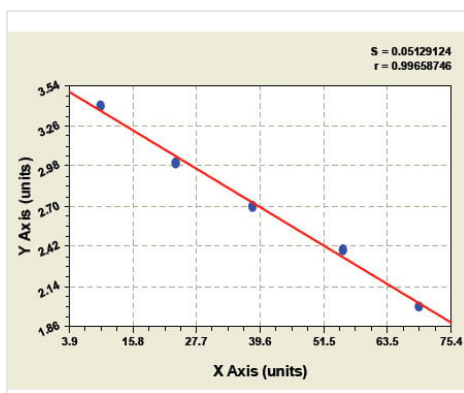
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1ng/mL.
Intended Uses	This DEFbeta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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.

Product Categories/Family for DEFbeta2 elisa kit	Microbiology
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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.

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 Online datasheet: <https://stage.aaabiotech.com/defbeta2-bovine-ovine-elisa-kits/defensin-beta-2/90726>