

Canine Defensin Beta 2 ELISA Kit | DEFbeta2 elisa kit

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CATALOG #
AAA16715

REACTIVITY
Canine

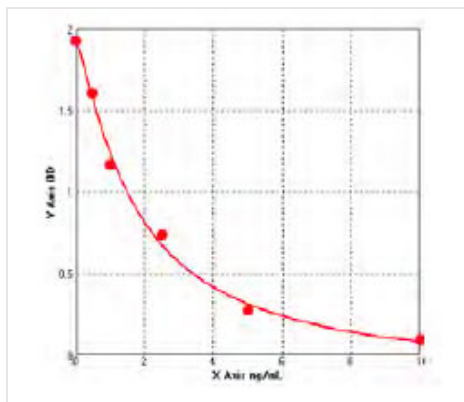
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of DEFB2. No significant cross-reactivity or interference between DEFB2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DEFB2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
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: DEFB2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DEFB2 antibody and an DEFB2-HRP conjugate. The assay sample and buffer are incubated together with DEFB2-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 DEFB2 concentration since DEFB2 from samples and DEFB2-HRP conjugate compete for the anti-DEFB2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DEFB2 from the sample, fewer sites are left to bind DEFB2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DEFB2 concentration in each sample is interpolated from this standard curve. Intended Uses: This DEFB2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DEFB2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for DEFbeta2 elisa kit	Microbiology

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.