

Canine Prokineticin 2 ELISA Kit | PK2 elisa kit

Canine Prokineticin 2 ELISA Kit

CATALOG #
AAA91859

REACTIVITY
Canine

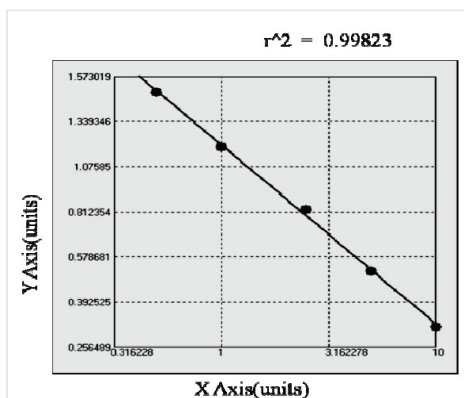
PRODUCT SYNONYMS

Prokineticin 2; Canine Prokineticin 2 ELISA Kit; PK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PK2 elisa kit

Intended Uses: This PK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PK2. This ELISA kit for research use only!

Principle of the Assay: PK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PK2 antibody and an PK2-HRP conjugate. The assay sample and buffer are incubated together with PK2-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 PK2 concentration since PK2 from samples and PK2-HRP conjugate compete for the anti-PK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PK2 from the sample, fewer sites are left to bind PK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PK2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187167261
NCBI GeneID	60675
NCBI Accession #	NP_001119600.1
NCBI GenBank Nucleotide #	NM_001126128.1
Molecular Weight	11,659 Da
NCBI Official Full Name	prokineticin-2 isoform a
NCBI Official Synonym Full Names	prokineticin 2
NCBI Official Symbol	PROK2
NCBI Official Synonym Symbols	BV8; HH4; PK2; KAL4; MIT1
NCBI Protein Information	prokineticin-2; protein Bv8 homolog
UniProt Protein Name	Prokineticin-2
UniProt Gene Name	PROK2
UniProt Synonym Gene Names	BV8; PK2
UniProt Entry Name	PROK2_HUMAN

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.