

Rat Prokineticin 2 ELISA Kit | PK2 elisa kit

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CATALOG #
AAA87202

REACTIVITY
Rat

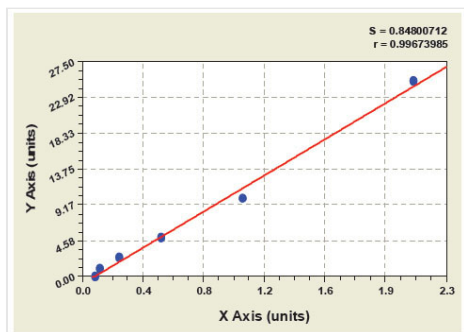
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25 ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PK2. 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 PK2 elisa kit

Principle of the Assay: PK2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PK2. Standards or samples are then added to the microtiter plate wells and PK2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PK2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PK2 are added to each well to "sandwich" the PK2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PK2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.