

Rat Calcineurin ELISA Kit | CaN elisa kit

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CATALOG #
AAA82496

REACTIVITY
Rat

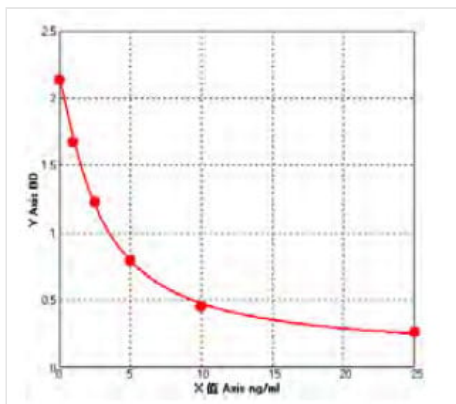
PRODUCT SYNONYMS

Calcineurin; Rat Calcineurin ELISA Kit; CaN elisa kit

PRODUCT SPECIFICATIONS

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	965468
NCBI GeneID	2281
Molecular Weight	8,802 Da
NCBI Official Full Name	calcineurin
NCBI Official Synonym Full Names	FK506 binding protein 1B, 12.6 kDa
NCBI Official Symbol	FKBP1B
NCBI Official Synonym Symbols	OTK4; FKBP1L; PKBP1L; PPlase; FKBP12.6
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP1B; FKBP-1B; rotamase; FKBP-12.6; h-FKBP-12; calstabin 2; 12.6 kDa FKBP; PPlase FKBP1B; immunophilin FKBP12.6; FK506-binding protein 1B; FK506-binding protein 12.6; 12.6 kDa FK506-binding protein
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP1B
UniProt Gene Name	FKBP1B
UniProt Synonym Gene Names	FKBP12.6; FKBP1L; FKBP9; OTK4; PPlase FKBP1B; 12.6 kDa FKBP; FKBP-12.6; FKBP-1B
UniProt Entry Name	FKB1B_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.