

Rat Catenin Beta 1 (CTNNb1) ELISA Kit | CTNNb1 elisa kit

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CATALOG #
AAA65259

REACTIVITY
Rat

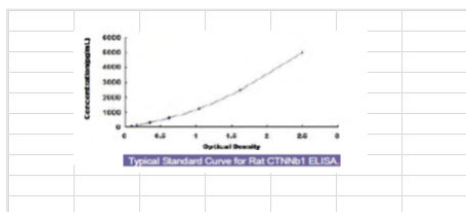
PRODUCT SYNONYMS

Catenin Beta 1 (CTNNb1); Rat Catenin Beta 1 (CTNNb1) ELISA Kit; bCat; b-Cat; CTNN-B1; Cadherin-Associated Protein; CTNNb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CTNNb1. No significant cross-reactivity or interference between CTNNb1 and analogues was observed.
Sequence Length	781
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTNNb1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CTNNb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTNNb1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CTNNb1 in Rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CTNNb1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CTNNb1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CTNNb1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CTNNb1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46048609
NCBI GeneID	84353
NCBI Accession #	NP_445809.2
NCBI GenBank Nucleotide #	NM_053357.2
UniProt Accession #	Q9WU82
Molecular Weight	85,455 Da
NCBI Official Full Name	catenin beta-1
NCBI Official Synonym Full Names	catenin beta 1
NCBI Official Symbol	Ctnnb1
NCBI Official Synonym Symbols	Catnb
NCBI Protein Information	catenin beta-1
UniProt Protein Name	Catenin beta-1
UniProt Gene Name	Ctnnb1
UniProt Synonym Gene Names	Catnb

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.