

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

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CATALOG #
AAA139479

REACTIVITY
Rat

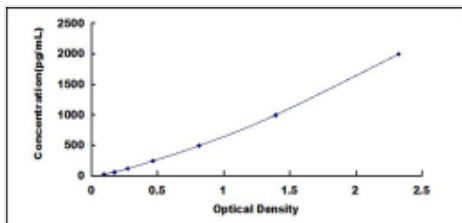
PRODUCT SYNONYMS

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 Catenin Beta 1 (CTNNb1). No significant cross-reactivity or interference between Catenin Beta 1 (CTNNb1) and analogues was observed.
Sequence Length	88
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Catenin Beta 1 (CTNNb1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Catenin Beta 1 (CTNNb1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTNNb1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Catenin Beta 1 (CTNNb1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Catenin Beta 1 (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 Catenin Beta 1 (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 Catenin Beta 1 (CTNNb1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CTNNb1 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503131
NCBI GeneID	1499
NCBI Accession #	NP_001895.1
NCBI GenBank Nucleotide #	NM_001904.3
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	9,501 Da
NCBI Official Full Name	catenin beta-1
NCBI Official Synonym Full Names	catenin (cadherin-associated protein), beta 1, 88kDa
NCBI Official Symbol	CTNNB1
NCBI Official Synonym Symbols	CTNNB; MRD19; armadillo
NCBI Protein Information	catenin beta-1
UniProt Protein Name	Catenin beta-1
UniProt Gene Name	CTNNB1
UniProt Synonym Gene Names	CTNNB
UniProt Entry Name	CTNB1_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.