

Human catenin (cadherin-associated protein), beta 1, 88kDa ELISA Kit | CTNNB1 elisa kit

Human Catenin beta-1 (CTNNB1/CTNNB/OK/SW-cl.35/PRO2286) ELISA Kit

CATALOG #
AAA80914

REACTIVITY
Human

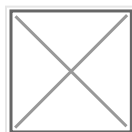
PRODUCT SYNONYMS

catenin (cadherin-associated protein); beta 1; 88kDa; Human Catenin beta-1 (CTNNB1/CTNNB/OK/SW-cl.35/PRO2286) ELISA Kit; CTNNB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes human beta-Cat. No significant cross-reactivity or interference was observed.
Sequence Length	781
Samples	Serum, plasma and cell culture supernates
Detection Range	15.62 pg/ml-1000pg/ml
Sensitivity	The minimum detectable dose of human beta-Cat is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTNNB1 elisa kit

Introduction: Beta-catenin (or beta-catenin) is a protein that in humans is encoded by the CTNNB1 gene. In Drosophila, the homologous protein is called armadillo. beta-catenin is a subunit of the cadherin protein complex and has been implicated as an integral component in the Wnt signaling pathway. When beta-catenin was sequenced it was found to be a member of the armadillo family of proteins. These proteins have multiple copies of the so-called armadillo repeat domain which is specialized for protein-protein binding. When beta-catenin is not associated with cadherins and alpha-catenin, it can interact with other proteins such as ICAT and APC.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to beta-Cat. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for beta-Cat and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then substrate solution is added to each well. Only those wells that contain beta-Cat, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of beta-Cat in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233338
NCBI GeneID	1499
NCBI Accession #	NP_001091679.1
NCBI GenBank Nucleotide #	NM_001098209.1
UniProt Accession #	P35222; Q8NEW9; Q8NI94; Q9H391; A8K1L7
Molecular Weight	85,497 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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ctnnb1-human-elisa-kits/catenin-cadherin-associated-protein-beta-1-88kda/80914>