# Mouse anti-Human CTNNB1 Monoclonal Antibody | anti-CTNNB1 antibody

CTNNB1 (Catenin beta-1, Beta-catenin, CTNNB, OK/SW-cl.35, PRO2286) (FITC)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA25069** | **Mouse** | **Human** | **ELISA, Immunofluorescence, Western Blot** |

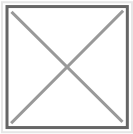
## PRODUCT SYNONYMS

CTNNB1; Monoclonal Antibody; CTNNB1 (Catenin beta-1; Beta-catenin; CTNNB; OK/SW-cl.35; PRO2286) (FITC); anti-CTNNB1 antibody

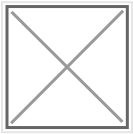
## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2a,k |
| **Clone Number** | 1C9 |
| **Specificity** | Recognizes human CTNNB1. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC). |
| **Sequence Length** | 781 |
| **Applicable Applications for anti-CTNNB1 antibody** | ELISA, IF (Immunofluorescence), WB (Western Blot) |
| **Application Notes** | IF: 10ug/ml<br>Applications are based on unconjugated antibody. |
| **Immunogen** | Partial recombinant corresponding to aa682-781 from human CTNNB1 (AAH58926) with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | LFRTEPMAWNETADLGLDIGAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDPMMEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLAW |
| **Conjugate** | FITC |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor 20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can b made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and pr removing the cap. |

## IMAGES



**WB (Western Blot)**
Western Blot analysis of CTNNB1 expression in transfected 293T cell line by CTNNB1 monoclonal antibody. Lane 1: CTNNB1 transfected lysate (85.5kD). Lane 2: Non-transfected lysate.



**WB (Western Blot)**
Western Blot detection against Immunogen (36.74kD).

**Application Data**
Proximity Ligation Analysis (PLA) of protein-protein interactions between FLT1 and CTNNB1. Huh7 cells were stained with FLT1 rabbit purified polyclonal 1:1200 and CTNNB1 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

**Application Data**
Proximity Ligation Analysis (PLA) of protein-protein interactions between GSK3B and CTNNB1. HeLa cells were stained with GSK3B rabbit purified polyclonal 1:1200 and CTNNB1 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

**WB (Western Blot)**
Western blot analysis of CTNNB1 over-expressed 293 cell line, cotransfected with CTNNB1 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with CTNNB1 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

**Application Data**
Detection limit for recombinant GST tagged CTNNB1 is 0.1ng/ml as a capture antibody.

## ADDITIONAL INFORMATION

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|---|---|
| **Product Categories/Family for anti-CTNNB1 antibody** | Antibodies; Catenin |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 37590638 |
| **NCBI GeneID** | 1499 |
| **NCBI Accession #** | AAH58926 |
| **NCBI GenBank Nucleotide #** | NM_001904 |
| **UniProt Accession #** | P35222 |
| **NCBI Official Full Name** | Catenin (cadherin-associated protein), beta 1, 88kDa |
| **NCBI Official Synonym Full Names** | catenin beta 1 |
| **NCBI Official Symbol** | CTNNB1 |
| **NCBI Official Synonym Symbols** | EVR7; CTNNB; MRD19; NEDSDV; 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.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/ctnnb1-antibody-clone-1c9-immunofluorescence-western-blot-elisa/25069