

Datasheet: VMA00341

BATCH NUMBER 172064

| | |
|----------------------|-------------------------|
| Description: | MOUSE ANTI CATENIN BETA |
| Specificity: | CATENIN BETA |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | AB05/1D4 |
| Isotype: | IgG2b |
| Quantity: | 100 µl |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|--------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪ | | | 1/1000 |
| Immunofluorescence | ▪ | | | |

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Learn about [how we validate our PrecisionAb range](#). Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

| | |
|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid. |
| Preparation | Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant. |
| Buffer Solution | Phosphate buffered saline. |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃). |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml. |
| Immunogen | Recombinant protein corresponding to amino acids 682-781 of human catenin beta |

expressed in *E. coli*

External Database**Links****UniProt:**[P35222](#)[Related reagents](#)**Entrez Gene:**[1499](#)

CTNNB1

[Related reagents](#)

Synonyms

CTNNB

Specificity

Mouse anti Human catenin beta antibody recognizes catenin beta, also known as catenin beta-1 or beta-catenin.

Encoded by CTNNB1 gene, catenin beta is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in CTNNB1 are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for CTNNB1 (provided by RefSeq, Oct 2009).

Mouse anti Human beta catenin antibody detects a band of 92 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti catenin beta detects a band of approximately 92 kDa in LNCaP cell lysates.

Storage

This product is shipped at ambient temperature.

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch.

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

<https://www.bio-rad-antibodies.com/SDS/VMA00341>

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M443453:250709'

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