

Datasheet: VMA00815

BATCH NUMBER 100004553

Description:	MOUSE ANTI CDC34
Specificity:	CDC34
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/4C3
Isotype:	IgG2a
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn 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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-236 of human CDC34

External Database Links

UniProt:
[P49427](#) [Related reagents](#)

Entrez Gene:
[997](#) CDC34 [Related reagents](#)

Synonyms UBCH3, UBE2R1

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti CDC34 antibody** recognizes ubiquitin-conjugating enzyme E2 R1, also known as UBCH3, UBE2R1.

CDC34 is an E2 ubiquitin-conjugating enzyme involved with ubiquitin signaling, one of the main mechanisms of reversible post-translational modification of proteins ([Williams et al. 2019](#)). CDC34 plays a role in cell cycle progression by facilitating degradation of several cyclin-dependent kinase inhibitors ([Zhang and Sun 2020](#)). Furthermore, CDC34 also controls cell cycle progression at G1 by mediating degradation of p27KIP1 ([Han et al. 2018](#)). Overexpression of CDC34 has been identified in several human cancers. Its overexpression has been shown to promote growth and survival of lung cancer cells, whereas its knockdown inhibited these processes. In patients, CDC34 overexpression appears to correlate with worse prognosis ([Zhang and Sun 2020](#)).

Western Blotting Mouse anti CDC34 antibody detects a band of approximately 31 kDa in HEK293 cell lysates

Storage 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/VMA00815>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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