

Datasheet: VMA00510

Description:	MOUSE ANTI E3 UBIQUITIN-PROTEIN LIGASE CBL
Specificity:	E3 UBIQUITIN-PROTEIN LIGASE CBL
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB01/1D1
Isotype:	IgG1
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
Immunoprecipitation	▪			
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

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 purified by affinity chromatography on Protein G from tissue culture supernatant.

Buffer Solution

Phosphate buffered saline.

Preservative

0.09% Sodium Azide (NaN₃).

Stabilisers

Approx. Protein Concentrations IgG concentration 0.5 mg/ml.

Immunogen *E. coli* derived recombinant protein corresponding to amino acids 648-906 of human E3 ubiquitin-protein ligase CBL

External Database Links**UniProt:**
[P22681](#) [Related reagents](#)**Entrez Gene:**
[867](#) CBL [Related reagents](#)

Synonyms CBL2, RNF55

Specificity **Mouse anti Human E3 ubiquitin-protein ligase CBL antibody** recognizes E3 ubiquitin-ligase CBL, also known as Cas-Br-M (murine) ecotropic retroviral transforming sequence, RING finger protein 55, casitas B-lineage lymphoma proto-oncogene or proto-oncogene c-Cbl.

The CBL gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. CBL gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia. Mutations in CBL are also the cause of Noonan syndrome-like disorder ([NSLL](#)) (provided by RefSeq, Mar 2012).

Mouse anti Human E3 ubiquitin-protein ligase CBL antibody detects a band of 120 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti E3 ubiquitin-protein ligase CBL detects a band of approximately 120 kDa in K562 cell lysate.

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: Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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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