

## Datasheet: VMA00510

<b>Description:</b>	MOUSE ANTI E3 UBIQUITIN-PROTEIN LIGASE CBL
<b>Specificity:</b>	E3 UBIQUITIN-PROTEIN LIGASE CBL
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1D1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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 (NaN<sub>3</sub>).

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml.

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

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## External Database Links

**UniProt:**  
[P22681](#)    [Related reagents](#)

**Entrez Gene:**  
[867](#) CBL    [Related reagents](#)

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**Synonyms** CBL2, RNF55

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**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.

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

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

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**Guarantee** 12 months from date of despatch.

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00510>  
Antibody (10040)

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## 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](https://bio-rad-antibodies.com/datasheets)

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