

Datasheet: VMA00989

**BATCH NUMBER 100006568**

<b>Description:</b>	MOUSE ANTI HUMAN CEBPB
<b>Specificity:</b>	CEBPB
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	L01/5C4
<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	▪			2.5 µg
Western Blotting	▪			1/2000

**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

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

**Immunogen** *E. coli*-derived recombinant protein, aa 1-345 of human CEBPB

**External Database**

**Links**

**UniProt:**

[P17676](#)

[Related reagents](#)

**Entrez Gene:**

[1051](#)

CEBPB

[Related reagents](#)

**Synonyms**

LAP, TCF5

**Specificity**

**Mouse anti Human CEBPB antibody** recognizes CCAAT/enhancer-binding protein beta, also known as liver activator protein, nuclear factor NF-IL6 or transcription factor 5.

CEBPB is a transcription factor that plays an important role in the regulation of genes involved in immune and inflammatory responses. CEBPB forms heterodimers with CEBPA and CEBPG and has also been shown to be crucial for maintenance of normal macrophage function, including macrophage-mediated muscle repair ([Ruffell et al. 2009](#)). In glioblastoma, increased activity of EGF R has been shown to result in up-regulation of CEBPB and vice versa, boosting oncogenic signaling ([Selagea et al. 2016](#)).

**Western Blotting**

Mouse anti Human CEBPB antibody detects bands of 40 kDa and 44 kDa in U-87 MG cell lysates

**Storage**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

**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/VMA00989>  
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**Regulatory**

For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)

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