

Datasheet: MCA6173

**BATCH NUMBER 100004685**

<b>Description:</b>	MOUSE ANTI BIRC3
<b>Specificity:</b>	BIRC3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	K01/2A8
<b>Isotype:</b>	IgG2a
<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.

<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 1-604 of human BIRC3

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**External Database**

**Links**

**UniProt:**

[Q13489](#) [Related reagents](#)

**Entrez Gene:**

[330](#) BIRC3 [Related reagents](#)

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**Synonyms**

API2, IAP1, MIHC, RNF49

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**Specificity**

**Mouse anti BIRC3 antibody** recognizes baculoviral IAP repeat-containing protein 3, also known as cIAP2, apoptosis inhibitor 2, IAP homolog C, and RING finger protein 49.

BIRC3 belongs to the IAP family of proteins, comprising eight members which share a BIR domain. IAP proteins act as E3 ligases and are known for their role in regulators of caspases and cell death, thereby controlling a diverse range of cellular processes ([Silke and Meier 2013](#)). Accordingly, BIRC3 is an apoptosis inhibitor, and overexpression or disruption of BIRC3 has been implicated in many cancer types ([Wang et al. 2019](#)) including oral squamous cell carcinoma, glioblastoma, and pancreatic cancer. BIRC3 is also a significant regulator of the NF-κB signaling pathway, and through NF-κB signaling, contributes to hepatocellular carcinoma (HCC) development ([Cao et al. 2018](#)).

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**Western Blotting**

Mouse anti BIRC3 antibody detects a band of approximately 74 kDa in Raji cell lysates

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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/MCA6173>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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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