

Datasheet: MCA6173

BATCH NUMBER 100004685

Description:	MOUSE ANTI BIRC3
Specificity:	BIRC3
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	K01/2A8
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
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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein, aa 1-604 of human BIRC3

External Database

Links

UniProt:

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

Entrez Gene:

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

Synonyms

API2, IAP1, MIHC, RNF49

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](#)).

Western Blotting

Mouse anti BIRC3 antibody detects a band of approximately 74 kDa in Raji 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/MCA6173>
10040

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

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

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Printed on 18 Jan 2024

