

## Datasheet: MCA3457Z

<b>Description:</b>	MOUSE ANTI HUMAN INI-1:Preservative Free
<b>Specificity:</b>	INI-1
<b>Other names:</b>	SMARCB1
<b>Format:</b>	Preservative Free
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	3E10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			0.1 - 10 ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml

**Immunogen** Recombinant protein corresponding to aa 81-181 of human INI-1

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**External Database Links**

**UniProt:**  
[Q12824](#) [Related reagents](#)

**Entrez Gene:**  
[6598](#) SMARCB1 [Related reagents](#)

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**Synonyms** BAF47, INI1, SNF5L1

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**RRID** AB\_2191698

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**Fusion Partners** Spleen cells from Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.

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**Specificity** **Mouse anti Human INI-1 antibody, clone 3E10** recognizes human SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1, also known as INI-1, BRG1-associated factor 47, BAF47, SMARCB1, Integrase interactor 1 protein or SNF5 homolog. INI-1 is a 385 amino acid ~46 kDa component of the BAF complex involved in chromatin remodelling. INI-1 also acts as a tumor suppressor.

Mutations in the SMARCB1 gene can lead to hereditary cancer syndromes including Rhabdoid tumor predisposition syndrome 1 ([RTPS1](#)) with presentation of renal or nervous system tumors or Schwannomatosis 1 ([SWNTS1](#)) with development of non-vestibular Schwannomas. Mutation in the SMARCB1 gene can also lead to Mental retardation, autosomal dominant 15 ([MRD15](#)) characterized by multiple developmental anomalies, mental retardation and hearing loss ([Tsurusaki et al. 2012](#)).

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),  
[DyLight@800](#), [FITC](#), [HRP](#)

## Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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