

Datasheet: MCA3457Z

Description:	MOUSE ANTI HUMAN INI-1:Preservative Free
Specificity:	INI-1
Other names:	SMARCB1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	3E10
Isotype:	IgG1
Quantity:	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.

	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.**

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

Immunogen	Recombinant protein corresponding to aa 81-181 of human INI-1
External Database Links	UniProt: Q12824 Related reagents Entrez Gene: 6598 SMARCB1 Related reagents
Synonyms	BAF47, INI1, SNF5L1
Fusion Partners	Spleen cells from Balb/c mice were fused with cells from the Sp2/0 myeloma cell line.
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).
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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

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

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