

Datasheet: VMA00734

BATCH NUMBER 100004126

Description:	MOUSE ANTI INI-1
Specificity:	INI-1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	E01/5G8
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
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
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*--derived recombinant protein of amino acids 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 immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti Human INI-1 antibody** recognizes INI-1, also known as RDT, SMARCB1, hSNF5, integrase interactor 1 protein and SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily B member 1.

INI-1 is a core subunit of the ATP-dependent SWI/SNF chromatin remodeling complex (Kohasi and Oda 2017) which regulates transcription, and is ubiquitously expressed in the nuclei of all normal cells. It is thought that INI-1 acts as an adaptor protein, recruiting the SWI/SNF complex to the site of transcription where it can regulate transcription (La Porte et al. 2016). The protein INI-1 is a potent tumor suppressor. Inactivation of the gene encoding INI-1 has been implicated in pathogenesis of a range of malignant neoplasms that have rhabdoid cytomorphology, defined as large cells with specific nuclear and cytoplasmic features (Bishop et al. 2014). In addition to INI-1, over 20 members of the SWI/SNF complex have been found to be altered in human tumors (Biegel et al. 2014). INI-1 incorporates into HIV-1 virions and plays important roles in HIV-1 transcription and particle production (La Porte et al. 2016).

Western Blotting Mouse anti INI-1 detects a band of approximately 44 kDa in Jurkat 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/VMA00734> Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

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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

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