Datasheet: MCA2047 BATCH NUMBER 171006

Description:	MOUSE ANTI TUBULIN BETA 3
Specificity:	TUBULIN BETA 3
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TU-20
lsotype:	lgG1
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 <u>www.bio-rad-antibodies.com/protocols</u>.

		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry			-		
	Immunohistology - Frozen					
	Immunohistology - Paraffin (1)	-			5 - 20 ug/ml	
	ELISA			•		
	Immunoprecipitation					
	Western Blotting (2)	-			1 - 10 ug/ml	
	Immunofluorescence	-				
	Where this antibody has	not been tested for use in a particular technique this does not				
	necessarily exclude its u	se in such procedures. Suggested working dilutions are given as				
	a guide only. It is recommended that the user titrates the antibody for use 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. (2)TU-20 recognizes tubulin beta 3 under reducing conditions 					
Target Species	Human					

Spacing Cross	
Species Cross	Reacts with: Mouse, Baboon, Rat, Hamster, Pig, Bovine
Reactivity	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	Purified IgG prepared from ascites by DEAE chromatography			
Buffer Solution	Phosphate buffered saline			
Preservative Stabilisers	0.09% Sodium Azide			
Approx. Protein Concentrations	IgG concentration 1.0mg/ml			
Immunogen	Synthetic peptide, ESESQGPK, corresponding to amino acids 441-448 of human class III beta tubulin coupled to Keyhole Limpet Hemocyanin (KLH).			
	This sequence is conserved across all species.			
External Database Links	UniProt: <u>Q13509</u> <u>Related reagents</u> Entrez Gene:			
	10381 TUBB3 Related reagents			
Synonyms	TUBB4			
- , - , - , -				
RRID	AB_2210682			
RRID	AB_2210682 Mouse anti Tubulin beta 3 antibody, clone TU-20 recognizes class III beta-tubulin which			
RRID	AB_2210682 Mouse anti Tubulin beta 3 antibody, clone TU-20 recognizes class III beta-tubulin which is reported to be restricted to neuronal tissue. Mouse anti Tubulin beta 3 antibody, clone TU-20 has been used to investigate tumors of neuronal origin including neuroblastoma and ganglioneuroma. Class III beta tubulin has			

	 672-9. 6. Huang, C.L. <i>et al.</i> (2010) Expression of ERCC1 and class III β-tubulin is associated with the survival of resected stage III non-small cell lung cancer patients treated with induction chemoradiotherapy using carboplatin-taxane. Exp Ther Med. 1: 445-51. 7. Yentur, S.P. <i>et al.</i> (2014) A decrease of regulatory T cells and altered expression of NK receptors are observed in subacute sclerosing panencephalitis. Viral Immunol. 27 (10): 506-11.
Storage	Store at +4°C or at -20°C if preferred.
	This product should be stored undiluted.
	Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2047 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87) <u>HRP</u>
Goat Anti Mouse IgG (STAR76)	RPE
Rabbit Anti Mouse IgG (STAR13)	HRP
Goat Anti Mouse IgG (STAR70)	FITC
Goat Anti Mouse IgG (H/L) (STAR117)	<u>Alk. Phos.</u> , <u>DyLight®488</u> , <u>DyLight®550</u> ,
	DyLight®650, DyLight®680, DyLight®800,
	<u>FITC</u> , <u>HRP</u>
Rabbit Anti Mouse IgG (STAR9)	FITC
Goat Anti Mouse IgG (STAR77)	HRP
Goat Anti Mouse IgG (Fc) (STAR120)	FITC, 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 'M354061:190624'

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