

Datasheet: MCA797T

Description:	MOUSE ANTI HUMAN TGF BETA
Specificity:	TGF BETA
Other names:	TRANSFORMING GROWTH FACTOR BETA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TB21
Isotype:	lgG1
Quantity:	10 µg

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 (1)						
	Immunohistology - Frozen						
	Immunohistology - Paraffin	-					
	Where this antibody has not been tested for use in a particular technique this does not						
	necessarily exclude its use in such procedures. Suggested working dilutions are give						
	a guide only. It is recomm	nended th	at the use	r titrates the antibody	for use in their own		
	system using appropriate			•			
		-			. The use of		
	(1) Membrane permeabilization is required for this application. The use of Leucoperm (Product Code <u>BUF09</u>) is recommended for this purpose.						
Target Species	Human						
Species Cross Reactivity	Reacts with: Rat, Sheep, Mustelid, Mink, Rabbit, Mouse 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 by affinity chromatography on Protein G from ascites						
Buffer Solution	Phosphate buffered salin	e					

Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)				
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml				
Immunogen	Human Transforming Growth Factor Beta 1 from platelets.				
External Database Links	UniProt: <u>P01137</u> <u>Related reagents</u> Entrez Gene:				
	<u>7040</u> TGFB1 <u>Related reagents</u>				
Synonyms	TGFB				
RRID	AB_2201910				
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the SP2/0-Ag 14 mouse myeloma cell line.				
Specificity	Mouse anti Human TGF beta antibody, clone TB21 recognizes both human platelet- derived and recombinant TGF-beta1 in enzyme-linked immunosorbent assay (ELISA). Mouse anti Human TGF beta antibody, clone TB21 demonstrates neutralising activity against TGF-beta1 in cell proliferation assays. Mouse anti Human TGF beta antibody, clone TB21 has been demonstrated to react with dimeric (~25 kDa) or monomeric (~12.5 kDa) molecules of natural TGF-beta1 under non-reducing and reducing conditions respectively.				
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul				
Histology Positive Control Tissue	Human Breast Carcinoma				
References	 Nicotina, P.A. <i>et al.</i> (1997) Segmental up-regulation of transforming growth factor-beta in the pathogenesis of primary megaureter. An immunocytochemical study. <u>Br J Urol. 80</u>: <u>946-9</u>. Omer, F.M. and Riley, E.M. (1998) Transforming growth factor beta production is inversely correlated with severity of murine malaria infection. <u>J Exp Med. 188: 39-48</u>. Brown, H. <i>et al.</i> (1999) Cytokine expression in the brain in human cerebral malaria. <u>J Infect Dis. 180: 1742-6</u>. Lavaud, S. <i>et al.</i> (2001) Inflammation is probably not a prerequisite for renal interstitial fibrosis in normoglycemic obese rats. <u>Am J Physiol Renal Physiol. 280: F683-94</u>. Sheu, B.C. <i>et al.</i> (2001) Predominant Th2/Tc2 polarity of tumor-infiltrating lymphocytes in human cervical cancer. <u>J Immunol. 167: 2972-8</u>. Fernandez, T. <i>et al.</i> (2002) Disruption of transforming growth factor beta signaling by a novel ligand-dependent mechanism. <u>J Exp Med. 195: 1247-55</u>. Ueda, S. <i>et al.</i> (2003) Transforming growth factor-beta1 released from the spleen exerts 				

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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)RPEGoat Anti Mouse IgG IgA IgM (STAR87...)HRP

Goat Ant	i Mouse IgG (STAR70)	<u>FIT</u>	<u>C</u>					
Rabbit Anti Mouse IgG (STAR13)			HRP					
Rabbit Anti Mouse IgG (STAR9)			FITC					
Goat Ant	i Mouse IgG (STAR77)	HR	<u>P</u>					
Goat Ant	i Mouse IgG (H/L) (STAR117)	<u>Alk.</u>	Phos., DyLight®488,	DyLight®550,				
		DyL	ight®650, DyLight®68	<u>30, DyLight®80</u>	<u>0</u> ,			
		<u>FIT</u>	<u>C, HRP</u>					
Goat Ant	i Mouse IgG (STAR76)	RPE	Ē					
Goat Anti Mouse IgG (Fc) (STAR120) <u>FITC</u> , <u>HRP</u>								
Recommended Negative Controls								
MOUSE IgG1 NEGATIVE CONTROL (MCA928)								
North & South		de	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21			
America	Fax: +1 919 878 3751 Email: antibody sales us@bio-rad.com		Fax: +44 (0)1865 852 739 Email: antibody sales uk@bio	o-rad.com	Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com			
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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 'M433345:241008'								

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