

Datasheet: MCA797 BATCH NUMBER 169447

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:	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>.

	rad-antibodies.com/proto	<u>cols</u> .			
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry (1)				
	Immunohistology - Frozen				
	Immunohistology - Paraffin (2)	-			
	ELISA				
	Immunoprecipitation			-	
	Western Blotting	•			
	Where this product has n	ot been t	ested for	use in a particular tech	nnique this does not
	a guide only. It is recomm system using appropriate (1) Membrane permeabi Leucoperm (Product Co (2) Mouse anti Human T FFPE tissues without pu Others have used either retrieval.	e negative ilization ode <u>BUF</u> GF β an retreatm	e/positive is require 09) is rec tibody, c ent e.g. (controls. ed for this applicatior ommended for this p lone TB21 has been u Bob <i>et al.</i> 2011 and B	n. The use of ourpose. used successfully on sooth <i>et al.</i> 2002).
Target Species	Human				
Species Cross	Reacts with: Rat, Sheep,	Mustelid	, Mink, Ra	abbit, Mouse	
Desethultur					

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 by affinity chromatography on Protein G f	rom ascites	
Buffer Solution	Phosphate buffered saline		
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: 7040 TGFB1 <u>Related reagents</u>		
Synonyms	TGFB		
RRID	AB_2201912		
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells myeloma cell line.	of the SP2/0-Ag 14 mouse	
Specificity	Mouse anti Human TGF beta antibody, clone TB21 recognized derived and recombinant TGF-beta1 in enzyme-linked immunos Mouse anti Human TGF beta antibody, clone TB21 demonstrated against TGF-beta1 in cell proliferation assays. Mouse anti Huma clone TB21 has been demonstrated to react with dimeric (~25 k kDa) molecules of natural TGF-beta1 under non-reducing and re respectively.	orbent assay (ELISA). es neutralising activity an TGF beta antibody, Da) or monomeric (~12.5	
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in	n 100ul	
Histology Positive Control Tissue	Human Breast Carcinoma		
References	 Nicotina, P.A. <i>et al.</i> (1997) Segmental up-regulation of transfer in the pathogenesis of primary megaureter. An immunocytocher <u>946-9.</u> Omer, F.M. and Riley, E.M. (1998) Transforming growth factor 	nical study. <u>Br J Urol. 80:</u>	

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StorageThis product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.Guarantee12 months from date of despatchHealth And Safety InformationMaterial Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA797 10040		extracellular matrix in patients with heart failure and normal ejection fraction. <u>Circ Heart</u> Fail, 4: 44-52. 23. Kim, M. <i>et al.</i> (2013) Expression of Foxp3 in colorectal cancer but not in Treg cells correlates with disease progression in patients with colorectal cancer. <u>PLoS One, 8 (1)</u> : <u>e53630.</u> 24. Bob, F. <i>et al.</i> (2014) Immunohistochemical study of tubular epithelial cells and vascular endothelial cells in glomerulonephritis. <u>Ren Fail. 36: 1208-14.</u> 25. Gomaa, W.M. <i>et al.</i> (2014) Overexpression of cyclooxygenase-2 and transforming growth factor-beta 1 is an independent predictor of poor virological response to interferon therapy in chronic HCV genotype 4 patients. <u>Saudi J Gastroenterol. 20 (1): 59-65.</u> 26. Yusup, A. <i>et al.</i> (2015) Bone marrow lesions, subchondral bone cysts and subchondral bone attrition are associated with histological synovitis in patients with end-stage knee osteoarthritis: a cross-sectional study. <u>Osteoarthritis Cartilage. 23 (11): 1858-64.</u> 27. Hu, H-Y. <i>et al.</i> (2016) ATRA alleviated endometrial fibrosis in a rabbit intrauterine adhesions model through downregulation of the TGF-β1/smad4 signaling pathway. <u>Int J Clin Exp Pathol 9(6): 6171-8.</u> 28. Elkabir, M.A. <i>et al.</i> (2016) Efficacy of azithromycin and metronidazole combined therapy on rats' gingival overgrowth induced by cyclosporine-A: An experimental animal study. <u>J Oral Biol Craniofac Res. 6 (3): 219-226.</u> 29. Attia, G.M. <i>et al.</i> (2017) Autologous platelet rich plasma enhances satellite cells expression of MyOD and exerts angiogenic and antifibrotic effects in experimental rat model of traumatic skeletal muscle injury <u>Eqypt J Histol 40 (4): 443-58.</u> 30. Dagnelie, M.A. <i>et al.</i> (2021) The possible curative role of bone marrow-derived mesenchymal stem cells in bleomycin-induced skin changes in adult male abino rats <u>Egyptian Journal of Histology. 45 (4): 1125-45.</u> 32. Attia, S.H. <i>et al.</i> (2024) Alleviation of pulmonary fibrosis by the dual PPAR agonist saroglitazar and breast milk mesenchymal stem cells via modulati
frost-free freezers is not recommended. Guarantee 12 months from date of despatch Health And Safety Information Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA797	Storage	-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.
Health And Safety Material Safety Datasheet documentation #10040 available at: Information https://www.bio-rad-antibodies.com/SDS/MCA797		
Information <u>https://www.bio-rad-antibodies.com/SDS/MCA797</u>	Guarantee	12 months from date of despatch
	-	https://www.bio-rad-antibodies.com/SDS/MCA797

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		
Goat Anti Mouse IgG (STAR70)	<u>FITC</u>		
Goat Anti Mouse IgG (H/L) (STAR117)	Alk. Phos., DyLight®488, DyLight®550,		
	DyLight®650, DyLight®680, DyLight®800,		
	FITC, HRP		
Rabbit Anti Mouse IgG (STAR13)	HRP		
Goat Anti Mouse IgG (Fc) (STAR120)	FITC, HRP		
Rabbit Anti Mouse IgG (STAR9)	<u>FITC</u>		
Goat Anti Mouse IgG (STAR77)	HRP		
Recommended Negative Controls			

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-ra	ad.com	Email: antibody_sales_uk@bio-	rad.com	Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M433344:241008'

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