

Datasheet: MCA5993GA

Description:	MOUSE ANTI HUMAN TWEAK
Specificity:	TWEAK
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C06-3C8
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
ELISA	■			

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from serum free tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 97-249 of human TWEAK
External Database Links	<p>UniProt: O43508 Related reagents</p> <p>Entrez Gene: 8742 TNFSF12 Related reagents</p>

Synonyms	APO3L, DR3LG
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	<p>Mouse anti Human TWEAK antibody, clone C06-3C8 recognizes TWEAK, a 23 kDa type II transmembrane protein belonging to the Tumour Necrosis Factor (TNF) superfamily. While TWEAK is cell surface-associated, a smaller biologically active form can also be shed into the extracellular milieu.</p> <p>TWEAK, expressed primarily as a soluble cytokine by infiltrating leukocytes, mediates multiple activities through its receptor FGF-inducible molecule 14 (Fn14, TNFRSF12). It is a weak inducer of apoptosis in some cell types and is involved in the induction of inflammatory cytokines (Chicheportiche <i>et al.</i> 1997). This cytokine also promotes proliferation and migration of endothelial cells and acts as a regulator of angiogenesis. As a result of its pro-angiogenic effects, the role of this pathway in tumor biology has also been discussed (Michaelson & Burkly, 2009).</p>
Further Reading	<ol style="list-style-type: none"> 1. Michaelson, J.S. & Burkly, L.C. (2009) Therapeutic targeting of TWEAK/Fn14 in cancer: exploiting the intrinsic tumor cell killing capacity of the pathway. Results Probl Cell Differ. 49: 145-60. 2. Chicheportiche, Y. <i>et al.</i> (1997) TWEAK, a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis. J Biol Chem. 272 (51): 32401-10.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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