

## Datasheet: MCA5993GA

<b>Description:</b>	MOUSE ANTI HUMAN TWEAK
<b>Specificity:</b>	TWEAK
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	C06-3C8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from serum free tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> derived recombinant protein corresponding to aa 97-249 of human TWEAK
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**[8742](#)

TNFSF12

[Related reagents](#)

<b>Synonyms</b>	APO3L, DR3LG
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti Human TWEAK antibody, clone C06-3C8</b> 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 (<a href="#">Chicheportiche et al. 1997</a>). 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 (<a href="#">Michaelson &amp; Burkly, 2009</a>).</p>
<b>Further Reading</b>	<ol style="list-style-type: none"><li>1. Michaelson, J.S. &amp; Burkly, L.C. (2009) Therapeutic targeting of TWEAK/Fn14 in cancer: exploiting the intrinsic tumor cell killing capacity of the pathway. <a href="#">Results Probl Cell Differ. 49: 145-60.</a></li><li>2. Chicheportiche, Y. et al. (1997) TWEAK, a new secreted ligand in the tumor necrosis factor family that weakly induces apoptosis. <a href="#">J Biol Chem. 272 (51): 32401-10.</a></li></ol>
<b>Storage</b>	<p>This 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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA5993GA">https://www.bio-rad-antibodies.com/SDS/MCA5993GA</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)

[HRP](#)

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376	<b>Worldwide</b>	Tel: +44 (0)1865 852 700	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21
	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>		Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>		Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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