

Datasheet: 8640-0208

**BATCH NUMBER 180313**

<b>Description:</b>	MOUSE ANTI HUMAN TENASCIN
<b>Specificity:</b>	TENASCIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	T2H5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			
ELISA	▪			1/1000 - 1/2000
Immunoprecipitation	▪			
Western Blotting	▪			

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 the appropriate negative/positive controls.

**(1) Staining may be enhanced using trypsin digestion or heat mediated antigen retrieval using sodium citrate buffer pH 6.0.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

## Stabilisers

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

### Immunogen

Purified protein from human mammary tumour.

### External Database Links

#### UniProt:

[P24821](#)

[Related reagents](#)

#### Entrez Gene:

[3371](#)

TNC

[Related reagents](#)

### Synonyms

HXB

### RRID

AB\_2287393

### Fusion Partners

Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0-Ag14 mouse myeloma cell line.

### Specificity

**Mouse anti Human Tenascin antibody, clone T2H5** recognizes tenascin in both normal and hyperproliferative (also neoplastic) tissues.

Tenascin has been implicated in the guidance of migrating neurons and axons during development and neuronal regeneration. It promotes cortical neuron outgrowths and is an important component of the wound matrix and scar formation.

### ELISA

This product is suitable for use in direct ELISA applications, [8640-0502](#) may be used as a standard.

### Histology Positive Control Tissue

Human tonsil.

### References

1. Verstraeten, A.A. *et al.* (1992) Tenascin expression in basal cell carcinoma. [Br J Dermatol. 127 \(6\): 571-4.](#)
2. Le Poole, I.C. *et al.* (1997) Tenascin is overexpressed in vitiligo lesional skin and inhibits melanocyte adhesion. [Br J Dermatol. 137 \(2\): 171-8.](#)
3. Milz, S. *et al.* (2007) An immunohistochemical study of the triangular fibrocartilage complex of the wrist: regional variations in cartilage phenotype. [J Anat. 211: 1-7.](#)
4. Päiväniemi, O. *et al.* (2006) Tenascin is expressed in post-transplant obliterative bronchiolitis. [Transplant Proc. 38: 2694-6.](#)
5. Nakamura, Y. *et al.* (2004) Ets-1 regulates TNF-alpha-induced matrix metalloproteinase-9 and tenascin expression in primary bronchial fibroblasts. [J Immunol. 172: 1945-52.](#)
6. Milz, S. *et al.* (2002) Expression of a wide range of extracellular matrix molecules in the tendon and trochlea of the human superior oblique muscle. [Invest Ophthalmol Vis Sci. 43: 1330-4.](#)

<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10057 available at: <a href="https://www.bio-rad-antibodies.com/SDS/8640-0208">https://www.bio-rad-antibodies.com/SDS/8640-0208</a></p> <p>10057</p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<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>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

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

'M363517:200528'

Printed on 18 Jan 2024