

Datasheet: 9590-1222

Description:	MOUSE ANTI HUMAN VITRONECTIN
Specificity:	VITRONECTIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	8E6 (1.110)
Isotype:	IgG1
Quantity:	25 µl

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
Immunohistology - Frozen	▪			5 µg/ml - 20 µg/ml
ELISA	▪			5 µg/ml - 20 µg/ml
Western Blotting	▪			5 µg/ml - 20 µg/ml

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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Purified vitronectin from human plasma.
External Database Links	<p>UniProt: P04004 Related reagents</p> <p>Entrez Gene: 7448 VTN Related reagents</p>

Specificity	Mouse anti Human vitronectin antibody recognizes human vitronectin and will react with the native and denatured forms. It does not cross react with fibronectin. Vitronectin is one of the 2 most important cell adhesive proteins found in the blood and extracellular matrix. It exists as a mixture of 2 monomeric glycoproteins that mediate cell adhesion through an interaction between the R-G-D sequence, present in the cell binding domains, and several different integrin receptors. It is also known as a complement lysis inhibitor and as a scavenger protein for macromolecular products of the complement and homeostasis cascades.
References	<ol style="list-style-type: none"> Gladson, C.L. & Cheresh, D.A. (1991) Glioblastoma expression of vitronectin and the alpha v beta 3 integrin. Adhesion mechanism for transformed glial cells. J Clin Invest. 88 (6): 1924-32. Kost, C. <i>et al.</i> (1996) Limited plasmin proteolysis of vitronectin. Characterization of the adhesion protein as morpho-regulatory and angiostatin-binding factor. Eur J Biochem. 236 (2): 682-8. Kost, C. <i>et al.</i> (1992) Mapping of binding sites for heparin, plasminogen activator inhibitor-1, and plasminogen to vitronectin's heparin-binding region reveals a novel vitronectin-dependent feedback mechanism for the control of plasmin formation. J Biol Chem. 267 (17): 12098-105. Dahm, L.M. & Bowers, C.W. (1998) Vitronectin regulates smooth muscle contractility via alpha v and beta1 integrin. J Cell Sci. 111 (Pt 9): 1175-83. Aaboe, M. <i>et al.</i> (2003) Vitronectin in human breast carcinomas. Biochim Biophys Acta. 1638 (1): 72-82.
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>
Shelf Life	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 (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , 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

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