

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 from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Purified vitronectin from human plasma.

**External Database
Links**

UniProt:

[P04004](#) [Related reagents](#)

Entrez Gene:

[7448](#) VTN [Related reagents](#)

RRID

AB_2216300

Specificity

Mouse anti Human vitronectin antibody, clone 8E6 recognizes human vitronectin and will react with the native and denatured forms. Mouse anti Human vitronectin antibody, clone 8E6 does not cross react with fibronectin.

Vitronectin is an important cell adhesive protein, found in the blood and extracellular matrix. It exists as a mixture of two monomeric glycoproteins that mediate cell adhesion through an interaction between the [R-G-D motif](#), present in the cell binding domains, and several different integrin receptors. Vitronectin is also known as a complement lysis inhibitor ([Milis *et al.* 1993](#)) and as a scavenger protein for macromolecular products of the complement and homeostasis cascades ([Stanley *et al.* 1986](#)).

References

1. 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.](#)
2. Kost, C. *et al.* (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.](#)
3. Kost, C. *et al.* (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.](#)
4. Dahm, L.M. & Bowers, C.W. (1998) Vitronectin regulates smooth muscle contractility via alphav and beta1 integrin. [J Cell Sci. 111 \(Pt 9\): 1175-83.](#)
5. Aaboe, M. *et al.* (2003) Vitronectin in human breast carcinomas. [Biochim Biophys Acta. 1638 \(1\): 72-82.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in 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/9590-1222>
10040

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
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 (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

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

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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

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