

Datasheet: 9590-1222

BATCH NUMBER 300615

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**

UniProt:

[P04004](#)

[Related reagents](#)

Entrez Gene:

[7448](#)

VTN

[Related reagents](#)

RRID

AB_2216300

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

1. Gladson, C.L. & Cheresch, 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.* (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.](#)
3. 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.](#)
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

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

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

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	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 (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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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
'M363589:200528'

Printed on 18 Jan 2024