

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. & 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.* (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

| | |
|---|---|
| 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 |

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|----------------------------------|---|------------------|---|---------------|---|
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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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