

## DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Mouse                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects mouse Vitronectin in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human Vitronectin is observed.                                                                                                                                           |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 347317                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Mouse myeloma cell line NS0-derived recombinant mouse Vitronectin<br>Asp20-Lys478<br>Accession # AAH12690                                                                                                                                                                   |
| <b>Conjugate</b>          | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Immunohistochemistry** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## BACKGROUND

Vitronectin is a 71 kDa secreted glycoprotein produced by the liver and tumor cells. In blood, Vitronectin is called serum spreading factor. In the extracellular matrix, its function is determined by binding partners such as PAI-1, complement factors, integrins (notably  $\alpha_5\beta_3$ ) and thrombin. The 459 amino acid (aa) mature mouse Vitronectin shows 74% aa sequence identity with human Vitronectin and contains somatomedin B-like and hemopexin-like domains, an RGD motif, a basic heparin-binding domain and sulfated tyrosines. Unbound Vitronectin is a monomer that may be cleaved to form a dimer of 65 kDa and 10 kDa components.

## PRODUCT SPECIFIC NOTICES

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