

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Vitronectin in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human Vitronectin is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 347317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Vitronectin Asp20-Lys478 Accession # AAH12690
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	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.

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