

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Vitronectin in direct ELISAs and Western blots. In direct ELISAs, less than 20% cross-reactivity with recombinant bovine vitronectin or recombinant mouse vitronectin is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 342603
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human plasma-derived Vitronectin
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
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 α_vβ₃) and thrombin. The 459 aa mature human Vitronectin shows 74% amino acid identity with mouse 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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