



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rabbit Anti-Human Vitronectin Antibody

<b>Catalog No:</b> 130-00001	<b>Isotype:</b> Rabbit IgG	<b>Species:</b> Human	<b>Accession No:</b> P04004
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### Description

Vitronectin also known as VTN is a protein that in humans is encoded by the *VTN* gene. The protein encoded by this gene is a member of the pexin family. Vitronectin is an abundant glycoprotein found in serum and the extracellular matrix and promotes cell adhesion and spreading, inhibits the membrane-damaging effect of the terminal cytolytic complement pathway, and binds to several serpin serine protease inhibitors. It is a secreted protein and exists in either a single chain form or a clipped, two chain form held together by a disulfide bond. Vitronectin has been speculated to be involved in hemostasis and tumor malignancy.

### Applications

Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1 : 32,000
Western Blotting			*	
Enzyme Immunoassay(EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### **Preparation**

The immunogen was a synthetic peptide (VTN). This antibody was produced from a rabbit immunized with this peptide conjugated with KLH. The IgG fraction was purified from rabbit serum by Protein G affinity chromatography.

### **Specificity**

This antibody can specifically bind to human VTN. The cross reactivity with mouse and rat VTN was detected.

### **Reconstitution**

Product is supplied as a powder obtained from lyophilization of purified antibody in PBS without preservatives. Reconstitute the antibody with sterile 1 x PBS to a final concentration of 1 mg/ml.

### **Storage**

Store at 4°C if intended for use within one month, otherwise, store at -20°C to -80°C. The lyophilized antibody is stable for at least 18 months after the date of receipt when stored at -20°C to -80°C. After reconstitution, it can also be aliquoted and stored frozen at -20°C to -80°C in a manual defrost freezer for at least 6 months without detectable loss of activity. Upon reconstitution, the antibody can also be stored for 30 days at 4°C. **Please avoid freeze-thaw cycles, as this will lower the activity of the antibody.**

### **Reference**

1. Preissner KT, Seiffert D (January 1998). "Role of vitronectin and its receptors in haemostasis and vascular remodeling". *Thromb. Res.* **89** (1): 1–21.
2. Felding-Habermann B, Cheresh DA (October 1993). "Vitronectin and its receptors". *Curr. Opin. Cell Biol.* **5** (5): 864–8.

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