

For Research Use Only



Vitronectin/S-protein Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87005-3-PBS

Basic Information

Catalog Number: 87005-3-PBS	GenBank Accession Number: NM_000638.4	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7448	CloneNo.: 252166E4
Source: Rabbit	UNIPROT ID: P04004	
Isotype: IgG	Full Name: vitronectin	
Immunogen Catalog Number: EG4682	Calculated MW: 54 kDa	
	Observed MW: 70-75 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human, rat

Product Information

87005-3-PBS targets Vitronectin/S-protein as part of a matched antibody pair:

MP02822-2: 87005-3-PBS capture and 87005-1-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Vitronectin is a glycoprotein present in blood and in the extracellular matrix (PMID: 10399314). Vitronectin is a multifunctional glycoprotein that mediates cell-to-substrate adhesion, inhibits the cytolytic action of the terminal complement cascade in vitro and binds to several serine protease inhibitors of the serpin family (PMID: 1372588).

Storage

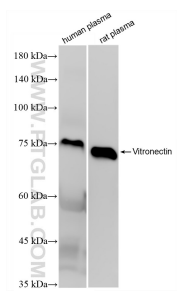
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

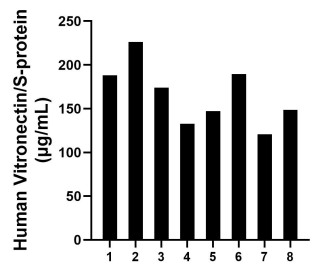
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

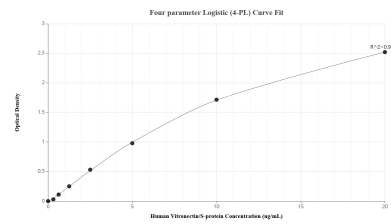
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87005-3-RR (Vitronectin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87005-3-PBS in a different storage buffer formulation.



Plasma of eight individual healthy human donors was measured. The Vitronectin/S-protein concentration of detected samples was determined to be 165.81 µg/mL with a range of 132.65-226.01 µg/mL



Sandwich ELISA standard curve of MP02822-2, Human Vitronectin/S-protein Recombinant Matched Antibody Pair - PBS only. 87005-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg4682. 87005-1-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL