

General vitronectin total antigen assay ELISA Kit | VTN elisa kit

Human vitronectin total antigen assay ELISA Kit

CATALOG #
AAA37753

REACTIVITY
General

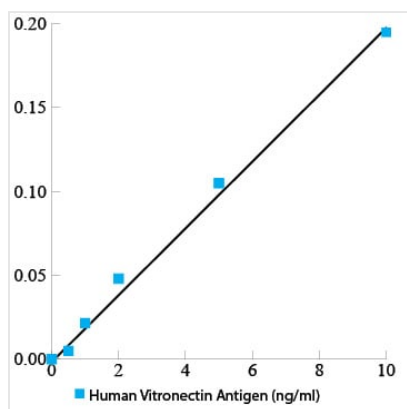
PRODUCT SYNONYMS

vitronectin total antigen assay; Human vitronectin total antigen assay ELISA Kit; VTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	478
Samples	Biological fluids
Preparation and Storage	Store at 4 degree C. Shelf Life: 12 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VTN elisa kit

Intended Uses: This human vitronectin total assay is for the quantitative determination of total vitronectin in biological fluids.

Principle of the Assay: Human vitronectin will bind to the capture antibody coated on the microtiter plate. Free and ligand bound enzyme will react with the antibody on the plate. After appropriate washing steps, polyclonal anti-human vitronectin primary antibody binds to the vitronectin. Excess antibody is washed away and bound polyclonal antibody is then reacted with the secondary antibody conjugated to horseradish peroxidase. Following an additional washing step, TMB substrate is used for color development at 450nm. The amount of color development is directly proportional to the concentration of total vitronectin antigen in the sample.

Background: Vitronectin is an abundant plasma glycoprotein that helps regulate coagulation, fibrinolysis, complement activation, and cell adhesion [1, 3, 8]. Vitronectin binds to glycosaminoglycans, collagen, plasminogen and urokinase receptors. It also may control the clearance of vascular thrombi by binding and stabilizing PAI-1. In binding PAI-1, it extends the lifetime of active PAI-1 [4, 5]. Vitronectin may also be involved in the regulation of bone metabolism [2].

Product Categories/Family for VTN elisa kit	Vitronectin; Human Vitronectin ELISA Kit
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NCBI AND UNIPROT INFORMATION

NCBI GI #	88853069
NCBI GeneID	7448
NCBI Accession #	NP_000629.3
NCBI GenBank Nucleotide #	NM_000638.3
UniProt Accession #	P04004; P01141; Q9BSH7; B2R7G0
Molecular Weight	54,306 Da
NCBI Official Full Name	vitronectin
NCBI Official Synonym Full Names	vitronectin
NCBI Official Symbol	VTN
NCBI Official Synonym Symbols	VN; V75; VNT
NCBI Protein Information	vitronectin; epibolin; S-protein; somatomedin B; complement S-protein; serum spreading factor; serum-spreading factor
UniProt Protein Name	Vitronectin
UniProt Gene Name	VTN
UniProt Synonym Gene Names	VN
UniProt Entry Name	VTNC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/vtn-general-elisa-kits/vitronectin-total-antigen-assay/37753>