abcam

Product datasheet

Native Human Vitronectin/S-Protein (Biotin) ab92639

2 Images

Description

Product name	Native Human Vitronectin/S-Protein (Biotin)
Purity	> 95 % SDS-PAGE. ab92639 is prepared from fresh Human plasma using non-denaturing chromatography, then biotin labeled at primary amines. Purity is > 98% pure by SDS-PAGE.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human
Conjugation	Biotin

Specifications

Our **Abpromise guarantee** covers the use of **ab92639** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot SDS-PAGE
Form	Liquid

Preparation and Storage

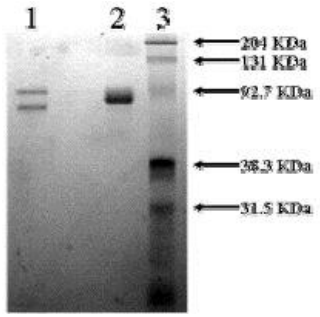
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 0.82% Sodium phosphate, 0.58% Sodium chloride

General Info

Function	Vitronectin is a cell adhesion and spreading factor found in serum and tissues. Vitronectin interact with glycosaminoglycans and proteoglycans. Is recognized by certain members of the integrin family and serves as a cell-to-substrate adhesion molecule. Inhibitor of the membrane-damaging effect of the terminal cytolytic complement pathway.

	Somatomedin-B is a growth hormone-dependent serum factor with protease-inhibiting activity.
Tissue specificity	Plasma.
Sequence similarities	Contains 4 hemopexin repeats. Contains 1 SMB (somatomedin-B) domain.
Domain	The SMB domain mediates interaction with SERPINE1/PAI1. The heparin-binding domain mediates interaction with insulin.
Post-translational modifications	Sulfated on 2 tyrosine residues. N- and O-glycosylated. Phosphorylation on Thr-69 and Thr-76 favors cell adhesion and spreading. It has been suggested that the active SMB domain may be permitted considerable disulfide bond heterogeneity or variability, thus two alternate disulfide patterns based on 3D structures are described with 1 disulfide bond conserved in both. Phosphorylation sites are present in the extracellular medium.
Cellular localization	Secreted, extracellular space.

Images



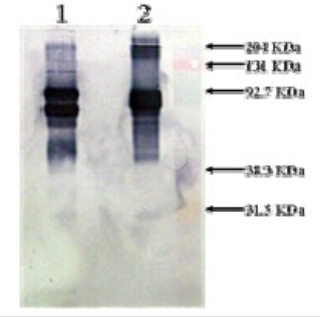
SDS-PAGE - Native Human Vitronectin/S-Protein (Biotin) (ab92639)

10% SDS-PAGE

Lane 1: Vitronectin/S-Protein(2 ug) Reduced

Lane 2: Vitronectin/S-Protein (2 ug) Non-Reduced

Lane 3: Prestained Standard



Western blot - Native Human Vitronectin/S-Protein (Biotin) (ab92639)

Lane 1 : anti-Vitronectin/S-ProteinAvidin-AP at 1/3000 dilution

Lane 2 : anti-Vitronectin/S-Protein Avidin-AP at 1/3000 dilution

Lane 1 : ab92639 (Reduced)

Lane 2 : ab92639 (Non-reduced)

Lysates/proteins at 2 µg per lane.

Observed band size: 75 kDa

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