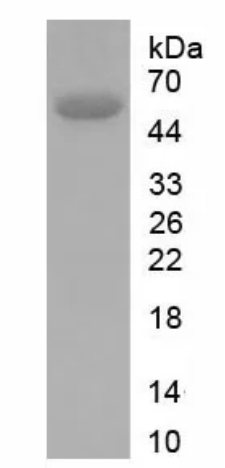
Active Vitronectin (VTN)

Catalog#:PER12593

概述（Summary）

别称（Alternative Names）	V75; VN; VNT; Serum Spreading Factor; Somatomedin B; Complement S-Protein
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Gln21-Arg400】
Accession #	Q62905
表达宿主（Host）	E.coli
种属（Species）	Rattus norvegicus (Rat)
预测分子量（Predicted MW）	47.1 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

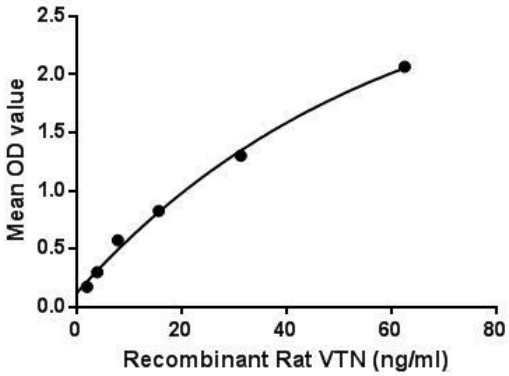


Figure 1. The binding activity of VTN with IGFBP5

Vitronectin (VTN) is a glycoprotein of the hemopexin family which is abundantly found in serum, the extracellular matrix and bone. 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. VTN can binds to integrin alpha-V beta-3 and thus promotes cell adhesion and spreading. It also binds to plasminogen activator inhibitor-1 (PAI-1) and serves to regulate proteolysis initiated by plasminogen activation. Besides, Insulin Like Growth Factor Binding Protein 5 (IGFBP5) has been identified as an interactor of VTN, thus a binding ELISA assay was conducted to detect the interaction of recombinant Rat VTN and recombinant Rat IGFBP5. Briefly, VTN were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100ul were then transferred to IGFBP5-coated microtiter wells and incubated for 2h at 37℃. Wells were washed with PBST and incubated for 1h with anti-VTN pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution , wells were incubated 15-25 minutes at 37℃. Finally, add 50μL stop solution to the wells and read at 450nm immediately. The binding activity of VTN and IGFBP5 was shown in Figure 1, and this effect was in a dose dependent manner.

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.