

Datasheet for ABIN6239858

Tissue factor Protein (AA 30-252) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	Tissue factor (F3)
Protein Characteristics:	AA 30-252
Origin:	Rat
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This Tissue factor protein is labelled with His tag.
Application:	Cell Culture (CC), Activity Assay (AcA)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 95 %
Biological Activity Comment:	TF (Tissue factor) also known for platelet tissue factor, factor III, thromboplastin, or CD142, is a cell surface glycoprotein present in subendothelial tissue and leukocytes. TF is necessary for the initiation of thrombin formation from the zymogen prothrombin. It has been proven that EGF can bind with the TF on the hemangioendotheliocytes. Thus a binding ELISA assay was conducted to detect the interaction of recombinant rat TF and recombinant rat EGF. Briefly, TF were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL TF were then transferred to EGF-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-TF 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°C. Finally, add

Product Details

50µL stop solution to the wells and read at 450nm immediately. The binding activity of TF and EGF was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of TF with EGF.

Target Details

Target:	Tissue factor (F3)
Alternative Name:	Tissue Factor (TF) (F3 Products)
Background:	Alternative Names: CD142, FIII, F3, TFA, Thromboplastin, Coagulation Factor III
Molecular Weight:	29kDa
UniProt:	P42533
Pathways:	Positive Regulation of Endopeptidase Activity , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Isoelectric Point: 9.2
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

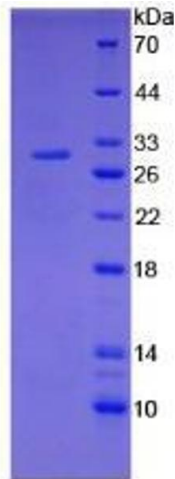


Image 1.