Datasheet for ABIN6720115

TEK ELISA Kit

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Overview

Quantity:	1 kit
Target:	TEK
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Angiopoietin-1 receptor, CD202b, CD202b antigen, EC 2.7.10.1, hTIE2, p140 TEK, soluble TIE2 variant 1, soluble TIE2 variant 2, Tek, TEK tyrosine kinase, endothelial, TIE 2, TIE2_HUMAN, Tunica interna endothelial cell kinase, Tyrosine-protein kinase receptor TEK, Tyrosine-protein kinase receptor TIE 2, Tyrosine-protein kinase receptor TIE-2, venous malformations, multiple cutaneous and mucosal, VMCM, VMCM1 Background: Tyrosine kinase with Ig and EGF homology domain 2(Tie-2), also called TEK tyrosine kinase, endothelial(TEK). Tie-2 and tie-1 are expressed in early embryonic vascular system and in maternal decidual vascular endothelial cells, where the vasculature undergoes an

Product Details

active angiogenesis. Tie-2, but not tie-1, expression was also detected in extraembryonic mesoderm of the amnion. Angiogenesis is coordinated with follicular cell growth in goitrogenesis. The angiopoietins, Ang-1 and Ang-2, are angiogenic growth factors acting through Tie-2. Tie-2 and Ang-1 are expressed in thyroid epithelial and endothelial cells, and Tie-2 is regulated by TSH and cAMP in follicular cells. And Tie-2 expression is increased in goiter in both humans and rats, consistent with a role in goitrogenesis. Tie2/Ang-1 signaling pathway plays a critical role in the maintenance of HSCs in a quiescent state in the BM niche. And the Tie-2 signaling pathway is also critical for endothelial cell-smooth muscle cell communication in venous morphogenesi...

Gene Name: TEK

Production: Natural and recombinant human TIE2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A23-K745

Target Details

Target:	TEK
Alternative Name:	TIE2 (TEK Products)
Gene ID:	7010
NCBI Accession:	NP_000450
UniProt:	Q02763
Pathways:	RTK Signaling, Growth Factor Binding

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human TIE2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human TIE2 standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 156pg/mL-10000pg/mL
Sample Volume:	100 µL

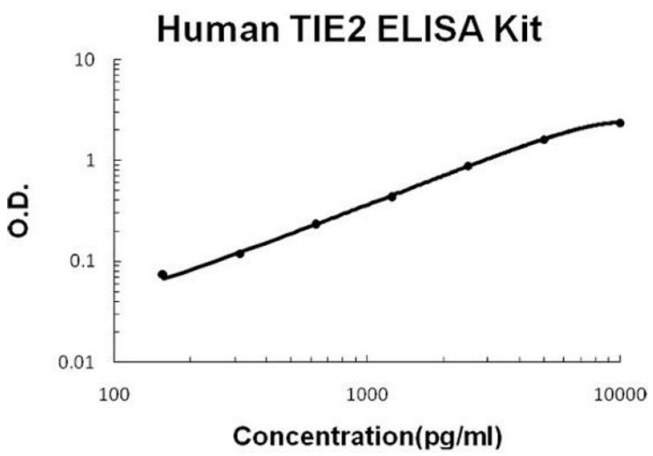
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human TIE2 Accusignal ELISA Kit Human TIE2 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <5pg/ml.