

Datasheet for ABIN6720391
TEK ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	1 kit
Target:	TEK
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>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</p> <p>Background: Angiopoietin-1 receptor, also called TEK or TIE2 is a protein that in humans is encoded by the TEK gene. This gene is mapped to 9p21.2. The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor</p>

Product Details

possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations, the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.

Gene Name: TEK

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

Standard: Expression system for standard: NSO, Immunogen sequence: A23-K744

Target Details

Target:	TEK
Alternative Name:	TEK - TIE2 (TEK Products)
Gene ID:	21687
NCBI Accession:	NP_001277478
UniProt:	Q02858
Pathways:	RTK Signaling, Growth Factor Binding

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL mouse TEK 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 mouse cell culture supernates, serum, tissue homogenates or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse TEK standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 125pg/mL-8000pg/mL</p>
Sample Volume:	100 µL
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

