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Datasheet for ABIN6992355 TEK Protein (AA 23-748) (Fc Tag)

3 Images



Overview

Quantity:	100 µg
Target:	TEK
Protein Characteristics:	AA 23-748
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TEK protein is labelled with Fc Tag.

Product Details

Purpose:	Human TIE2 Protein, Fc Tag (MALS verified)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μ g by the LAL method.

Target Details

Target:	ТЕК
Alternative Name:	TIE2 (TEK Products)
Background:	Tyrosine-protein kinase that acts as cell-surface receptor for ANGPT1, ANGPT2 and ANGPT4 and regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell spreading, reorganization of the actin cytoskeleton, but also maintenance of vascular
	quiescence. Has anti-inflammatory effects by preventing the leakage of proinflammatory

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ssels. Required for normal angiogenesis and
uired for post-natal hematopoiesis. After birth,
on the context. Inhibits angiogenesis and
s, where endothelial cells have tight contacts. In
EK to cell-cell contacts, forming complexes with
ads to preferential activation of
naling cascades. In migrating endothelial cells
EK to contacts with the extracellular matrix,
nplexes, activation of PTK2/FAK and of the
3/ERK1, and ultimately to the stimulation of
gers receptor dimerization and
ies that then serve as binding sites for scaffold
by ANGPT2 that has lower affinity for TEK, can
nce of ANGPT1, but inhibits ANGPT1-mediated
ite. Signaling is also modulated by formation of
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ELISA

Image 1. Immobilized Biotinylated Human Angiopoietin-2, His,Avitag (ABIN6972942) at $1 \mu g/mL$ (100 $\mu L/well$) on streptavidin precoated (0.5 $\mu g/well$) plate can bind Human TIE2, Fc Tag (ABIN6992355) with a linear range of 0.6-10 ng/mL (QC tested).

SDS-PAGE

Image 2. Human TIE2, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .

ELISA

Image 3. Immobilized Human TIE2, Fc Tag (ABIN6992355) at $2 \mu g/mL$ (100 $\mu L/well$) can bind Biotinylated Human Angiopoietin-2, His,Avitag (ABIN6972942) with a linear range of 4-63 ng/mL (Routinely tested).

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