

ARG82596 Human TIE1 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82596 Human TIE1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TIE1 in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This kit could assay both natural and recombinant Human TIE1. No significant cross-reactivity or interference was observed in the following samples: Human: IFN gamma, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL17A, IL18, IL21, IL22, IL23, MCP1, TGF beta 1, TNF alpha and VEGF. Mouse: GM-CSF, IFN gamma, IL1 beta, IL2, IL4, IL6, IL10, IL17A and TNF alpha. Rat: IFN gamma, IL1 beta, IL4, IL6, IL10 and TNF alpha.
Target Name	TIE1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.16 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.31 - 20 ng/ml
Sample Volume	20 µl
Precision	Intra-Assay CV: 3.6% Inter-Assay CV: 2.5%
Alternate Names	TIE; Tyrosine-protein kinase receptor Tie-1; JTK14; EC 2.7.10.1

Application Instructions

Assay Time	~ 2.5 hours
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Properties

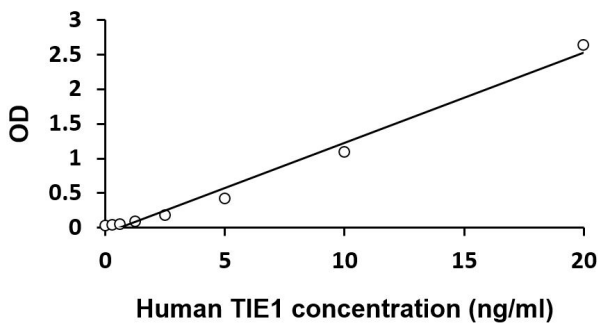
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	TIE1
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Gene Full Name	tyrosine kinase with immunoglobulin-like and EGF-like domains 1
Background	This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through the endothelial receptor tyrosine kinase Tie2. Ectodomain cleavage of the encoded protein relieves inhibition of Tie2 and is mediated by multiple factors including vascular endothelial growth factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Function	Transmembrane tyrosine-protein kinase that may modulate TEK/TIE2 activity and contribute to the regulation of angiogenesis. [UniProt]
Highlight	Related products: TIE1 antibodies ; TIE1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated on tyrosine residues in response to ANGPT1, most likely by TEK/TIE2. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG82596 Human TIE1 ELISA Kit standard curve image

ARG82596 Human TIE1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.