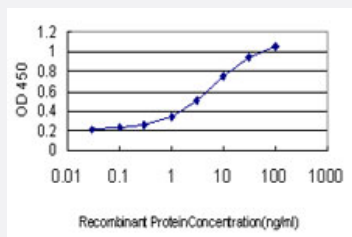


TEK monoclonal antibody (M13), clone 2G2

Catalog # H00007010-M13

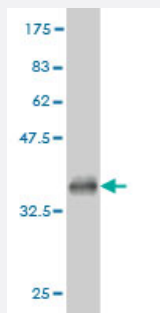
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TEK is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TEK.
Immunogen	TEK (AAH35514, 701 a.a. ~ 800 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AFSHELVTLPESQAPADLGGGKMLLIAILGSAGMTCLTVLLAFLIILQLKRANVQRRMAQAFQNVRE EPAVQFNSGTLALNRKVKNPDPTIYPVLDWND
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (93); Rat (90)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TEK is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TEK

Entrez GeneID	7010
GeneBank Accession#	BC035514
Protein Accession#	AAH35514
Gene Name	TEK
Gene Alias	CD202B, TIE-2, TIE2, VMCM, VMCM1
Gene Description	TEK tyrosine kinase, endothelial
Omim ID	600195 600221
Gene Ontology	Hyperlink

Gene Summary

The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor 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. [provided by RefSeq]

Other Designations

OTTHUMP00000021167|soluble TIE2 variant 1|soluble TIE2 variant 2

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)
- [Vascular Malformations](#)