

ARG45385 anti-TIE1 antibody [6F12]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [6F12] recognizes TIE1
Tested Reactivity	Hu
Tested Application	FACS, WB
Host	Mouse
Clonality	Monoclonal
Clone	6F12
Isotype	IgG1
Target Name	TIE1
Species	Human
Immunogen	Recombinant Human TIE1.
Conjugation	Un-conjugated
Alternate Names	TIE; Tyrosine-protein kinase receptor Tie-1; JTK14; EC 2.7.10.1

Application Instructions

Application table	Application	Dilution
	FACS	1-5 µg/ml
	WB	2-5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

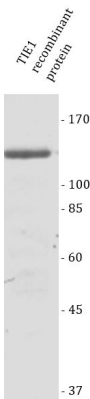
Properties

Form	Powder
Purification	Protein G chromatography
Buffer	PBS
Reconstitution	Water
Concentration	0.1 - 1.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

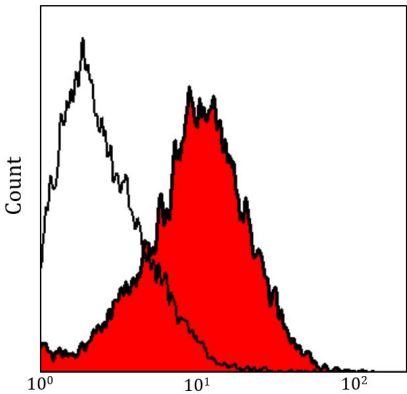
Gene Symbol	TIE1
Gene Full Name	tyrosine kinase with immunoglobulin-like and EGF-like domains 1
Background	This gene encodes a member of the tyrosine protein kinase family. The encoded protein plays a critical role in angiogenesis and blood vessel stability by inhibiting angiopoietin 1 signaling through 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]
Calculated Mw	~ 125 kDa
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



ARG45385 anti-TIE1 antibody [6F12] WB image

Western blot: TIE1 recombinant protein stained with ARG45385 anti-TIE1 antibody [6F12].



ARG45385 anti-TIE1 antibody [6F12] FACS image

Flow Cytometry: Human umbilical vein endothelial stained with ARG45385 anti-TIE1 antibody [6F12] at 1-5 µg/ml dilution.