

## Anti-TIE2 Antibody-PE (1E654)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	PE
Clone:	1E654
Purification:	Protein A

## Applications

Verified Activity:	Profile of anti-Human TIE2 (CD202b) reactivity on HUVEC cells analyzed by flow cytometry.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

## Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human Tie2 / CD202b / TEK protein (TMPY-01064)
Antigen Species:	Human
Synonyms:	Tie-2;Hyk;Tie2;TEK tyrosine kinase, endothelial;AA517024;STK1;Cd202b
Biology Area:	Receptor Tyrosine Kinases (RTKs), Cancer Drug Targets, Hemangioblast Markers

## Research Background

TEK, or TIE-2, is an endothelial cell-specific receptor tyrosine kinase (RTK) that is known as a functioning molecule of vascular endothelial cells. TEK comprises a subfamily of RTK with TIE, and these two receptors play critical roles in vascular maturation, maintenance of integrity and remodeling. Targeted mutagenesis of both Tek and its agonistic ligand, Angiopoietin-1, result in embryonic lethality, demonstrating that the signal transduction pathways mediated by this receptor are crucial for normal embryonic development. TEK signaling is indispensable for the development of the embryonic vasculature and suggests that TEK signaling may also be required for the development of the tumor vasculature.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481