Data Sheet (Cat.No.TMAY-01087)

TargetMol

Anti-TIE2 Antibody (1E654)

Product Details

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

Applications

Verified Activity:	Flow cytometric analysis of Human TIE2(CD202b) expression on HUVEC cells. Cells were stained with purified anti-Human TIE2(CD202b), then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	FCM: 0.5-2 μg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human TIE2 Protein (TMPY-01064)
Antigen Species:	Human
Synonyms:	STK1;Tie-2;AA517024;TEK tyrosine kinase, endothelial;Tie2;Cd202b;Hyk
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.

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