

## Anti-TIE2/TEK Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A01274-1-Fluoro594

### About TEK

TIE2, also known as TEK tyrosine kinase, is mapped to 9p21.2. This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Immunoblotting showed that TIE2 expression was increased by thyroid-stimulating hormone and agents that increased intracellular cAMP. HSCs expressing the receptor tyrosine kinase TIE2 are quiescent and antiapoptotic and comprise a side population of HSCs that adhere to osteoblasts in the bone marrow niche.

### Overview

Product Name	Anti-TIE2/TEK Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q02763

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TIE2/TEK, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 4 Publications Citing This Product

1. PubMed ID: 10.1620/tjem.224.221, Exercise Improves Recovery after Ischemic Brain Injury by Inducing the Expression of Angiopoietin-1 and Tie-2 in Rats

2. PubMed ID: 10.1016/j.transproceed.2008.07.121, Expressions of Angiopoietin-1, Angiopoietin-2, and Tie2 and Their Roles in Rat Renal Allografts With Chronic Allograft Nephropathy

3. PubMed ID: 10.1016/j.transproceed.2008.08.047, Rapamycin and Cyclosporine Have Different Effects on Expression of ang-1 and ang-2 and Tie2 in Rat Renal Allograft With Chronic Allograft Nephropathy

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