

Anti-TIE2/TEK Antibody (Monoclonal, 31T77)

Catalog Number: M01274-1

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

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|----------------------|--|
| Product Name | Anti-TIE2/TEK Antibody (Monoclonal, 31T77) |
| Reactive Species | Human |
| Description | Boster Bio Anti-TIE2/TEK Antibody (Monoclonal, 31T77) catalog # M01274-1. Tested in WB, Flow Cytometry applications. This antibody reacts with Human. |
| Application | Flow Cytometry, WB |
| Clonality | Monoclonal 31T77 |
| Formulation | Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q02763 |

Technical Details

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|---------------|---|
| Immunogen | Recombinant protein within human TIE2 aa 3-767. |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Protein A affinity purified. |

Suggested Dilutions

Western blot, 1:500-2000
Flow Cytometry (Fixed), 1:50-200

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