

Datasheet for ABIN155170 **anti-TIE1 antibody (Biotin)**



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Overview

Quantity:	50 µg
Target:	TIE1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIE1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human soluble TIE-1 protein.
Clone:	6F12
Isotype:	IgG1
Specificity:	This unconjugated monoclonal antibody will detect native TIE-1 in ELISA experiments and on the surface of different cell types.
Purification:	Protein G Chromatography.

Target Details

Target:	TIE1
Alternative Name:	TIE1 (TIE1 Products)
Background:	The soluble receptor protein consists of the full extracellular domain (Met1-Glu749). The

Target Details

recombinant mature TIE-1/Fc is a disulfide-linked homodimeric protein. Human TIE-1/Fc monomer has a calculated molecular mass of approximately 105 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 125 kDa protein in SDS-PAGE under reducing conditions. TIE-1 (tyrosine kinase with Ig and EGF homology domains 1) and TIE-2/Tek comprise a receptor tyrosine kinase (RTK) subfamily with unique structural characteristics: two immunoglobulin-like domains flanking three epidermal growth factor (EGF)-like domains and followed by three fibronectin type III-like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. These receptors are expressed primarily on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis and hematopoiesis. Human TIE-1 cDNA encodes a 1124 amino acid (aa) residue precursor protein with an 18 residue putative signal peptide, a 727 residue extracellular domain and a 354 residue cytoplasmic domain. Whereas two ligands have been described for TIE-2 [angiopoietin-1 (Ang1) and angiopoietin-2 (Ang2)], so far no ligand was found for TIE-1. Synonyms: TIE, Tie-1, Tyrosine-protein kinase receptor Tie-1

Gene ID: 7075

NCBI Accession: [NP_005415](#)

UniProt: [P35590](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: ELISA: 1-15 µg/mL. Western blot: 1-2 µg/mL. FACS: 2-5 µg/mL. Cell sorting: 2-5 µg/mL.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/mL

Buffer: PBS, 0.02 % Sodium Azide, BSA (50X)

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: This product is photosensitive and should be protected from light

Handling

Storage: 4 °C

Storage Comment: Store the antibody undiluted Prior to and After reconstitution at 2-8 °C. DO NOT FREEZE!