Datasheet for ABIN1589694

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:	ELISA

Product Details

Purpose:	TIE-1 antibody
Immunogen:	Recombinant human soluble extracellular TIE-1
Clone:	6F12
Isotype:	IgG1
Specificity:	Recombinant human soluble extracellular TIE-1
Cross-Reactivity (Details):	The unconjugated antibody will detect native human TIE-1 in ELISA experiments and on the surface of different human cell types. The antibody can be used for ELISA experiments and Western blotting.
Characteristics:	Chromosomal location: 1p34-p33 The monoclonal antibody was produced with the help of BALB/c mice using recombinant human soluble extracellular TIE-1 as the immunizing antigen. The unconjugated antibody will detect native human TIE-1 in ELISA experiments and on the surface of different human cell

Product Details

	types. The antibody can be used for ELISA experiments and Western blotting.
Purification:	Mouse IgG1 antibody (#6F12) from hybridomas was purified from cell culture supernatant by Protein G chromatography and then biotinylated using a standard protocol.

Target Details

Target:	TIE1
Alternative Name:	TIE-1 (TIE1 Products)
Background:	TIE1, TIE, JTK14,Tie-1/Tie and Tie-2/Tek are receptor tyrosine kinases with unique structural characteristics including two immunoglobulin-like domains flanking three epidermal growth factor (EGF)-like domains, followed by three fibronectin type III-like repeats in the extracellular region, and a split tyrosine kinase domain in the cytoplasmic region. Tie-2 is involved in vascular stabilization and remodeling. Although less well understood, Tie-1 may also act as an ANG receptor, possibly in complex with Tie-2. Human Tie-2 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. Tie-2 is a receptor for the angiopoietin (ANG) family: ANG-1, ANG-2, and ANG-3 (mouse)/-4 (human). Ang-2 has been reported to act as an antagonist for Ang-1. Mice engineered to overexpress Ang-2 or to lack Ang-1 or Tie-2 display similar angiogenesis defects.
Gene ID:	7075
NCBI Accession:	NM_005424, NP_005415
UniProt:	P35590
Pathways:	RTK Signaling

Application Details

Application Notes:	ELISA: Use at 1-15 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.

Handling

Buffer:	PBS, BSA (50x), 0.02 % sodium azide
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:	Centrifuge vial prior to opening.
Storage:	4 °C,-20 °C
Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months