

Mouse anti-Human TIE-2 Monoclonal Antibody | anti-TIE-2 antibody

Mouse Anti-Human TIE-2

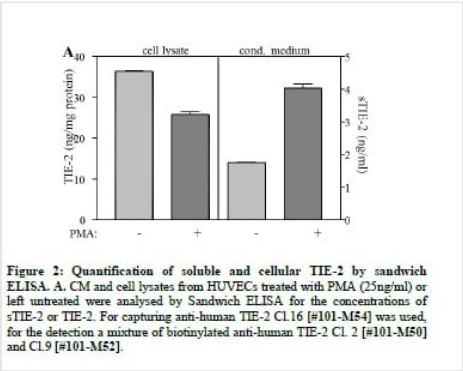
CATALOG # AAA79098	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

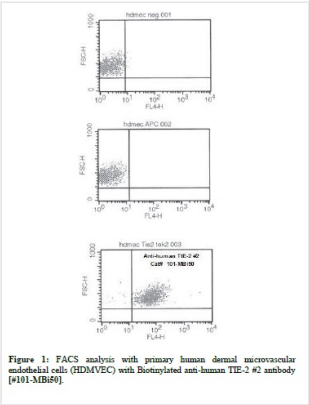
TIE-2; Monoclonal Antibody; Mouse Anti-Human TIE-2; Anti-human TIE-2-Biotin (#tek2); Tyrosine kinase with Ig and EGF homology domain-2; anti-TIE-2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	IgG1; tek2
Specificity	The unconjugated monoclonal antibody will detect native human TIE-2/tek in ELISA experiments and on the surface of different human cell types.
Purity/Purification	Protein G purified
Form/Format	Lyophilized
Sequence Length	1124
Applicable Applications for anti-TIE-2 antibody	FCM/FACS (Flow Cytometry), ELISA
Immunogen	recombinant human soluble TIE-2
Conjugation	Biotin
Preparation	Monoclonal antibodies were produced with the help of BALB/c mice using recombinant human soluble extracellular domain of TIE-2.
Buffer/Stabilizer	PBS; 50X BSA
Preservative	0,02% sodium azide
Preparation and Storage	The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 degree C. Frozen aliquots are stable for at least 6 months when stored at -20 degree C.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-TIE-2 antibody	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.
References	1. Reusch et al., Angiogenesis 4:123, 2001 2. Harris et al., Clin Cancer Res. 7 :1992, 2001 3. Partanen J and DJ Dumont (1999) Curr Top Microbiol Immunol 237:159. 4. Takakura N et al, (1998) Immunity 9:677. 5. Procopio W et al, (1999) J Biol Chem 274:30196. 6. Sato et al. (1993) PNAS 90:9355 7.Gale et al., (1999) Gen Dev 13:1055 8. Van Hoof et al, J Proteome Res 9:1610, 2010

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758596
NCBI GeneID	7010
NCBI Accession #	NP_000450.2
NCBI GenBank Nucleotide #	NM_000459.3
UniProt Accession #	Q02763; Q5TCU2; Q8IV34; A8K6W0; B4DH20; B4DHD3; D3DRK5; E7EWI2
Molecular Weight	125,830 Da
NCBI Official Full Name	angiopoietin-1 receptor
NCBI Official Synonym Full Names	TEK tyrosine kinase, endothelial
NCBI Official Symbol	TEK
NCBI Official Synonym Symbols	TIE2; VMCM; TIE-2; VMCM1; CD202B
NCBI Protein Information	angiopoietin-1 receptor; hTIE2; p140 TEK; soluble TIE2 variant 1; soluble TIE2 variant 2; endothelial tyrosine kinase; tyrosine-protein kinase receptor TEK; tunica interna endothelial cell kinase; tyrosine-protein kinase receptor TIE-2; tyrosine kinase with Ig and EGF homology domains-2
UniProt Protein Name	Angiopoietin-1 receptor
UniProt Gene Name	TEK
UniProt Synonym Gene Names	TIE2; VMCM; VMCM1; hTIE2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tie-2-antibody-clone-igg1-tek2-flow-cytometry-elisa/79098>