

## Mouse Anti-Human TIE-2

### ORDERING INFORMATION

<b>Catalog Number:</b>	101-M50
<b>Size:</b>	100 µg
<b>Formulation:</b>	Monoclonal Antibody; Lyophilized
<b>Clone/AB feature:</b>	(#tek2)
<b>Antigen:</b>	human soluble extracellular TIE-2
<b>Application:</b>	Elisa, WB, FC
<b>Stabilizer:</b>	None
<b>Buffer:</b>	PBS pH 7.4 w/o preservative

### ***Description:***

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.

### ***Reconstitution:***

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 1.0 mg/ml.

### ***Stability:***

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 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. **Avoid repeated freeze-thaw cycles!**

*Optimal dilutions should be determined by each laboratory for each application.*

The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users!

**This product is sold for Research Use Only !**