CHEMICON® INTERNATIONAL
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RABBIT ANTI-TIE-1 AFFINITY-PURIFIED POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB3123	**QUANTITY:**	50 μg
LOT NUMBER:		**CONCENTRATION:**	1 mg/mL

SPECIFICITY: Recognizes human Tunica internal endothelial cell kinase (Tie-1), also described as tyrosine protein kinase receptor. Tie-1 (human 1138 aa; mouse 1134 aa) is a type 1 membrane receptor protein specifically expressed in developing vascular endothelial cells. Tie-1 extracellular portion (25-279 aa) contains 3 fibronectin type III-like and 2 Ig-like C2-type, and 3-EGF-like domains.

APPLICATIONS: Western blot: 1-10 μg/mL using ECL. NIH/3T3 cells can be used as positive control. The predicted size of Tie-1 is ~135-140 kDa.
ELISA: (1:10,000 –1:100,000) using 50-100 ng of control peptide per well.
Immunohistochemistry: Not tested. It is recommended that the antibody be tried at 2-20 μg/mL.

SPECIES REACTIVITY: The peptide sequence used is 100% conserved in mouse, rat, and bovine. Antibody crossreactivity in other species is not established.

IMMUNOGEN: 20 amino acid peptide sequence within the cytoplasmic, C-terminus of human Tie-1.

PRESENTATION: Affinity purified immunoglobulin. Liquid in PBS with 0.1% BSA and 0.05% sodium azide.

STORAGE/HANDLING: Maintain frozen at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze and thaw.

REFERENCES:

Partenen, J. *et al*. (1992) Mol. Cell. Biol. **12**: 1698-1707.
Sato, TN *et al*. (1993) PNAS **90**:12056
Iwama, A. *et al* (1993) BBRC **195**: 301-309
Korhonen, J. *et al* (1995) Blood **86**: 1828-1835
DeVries, C. *et al* (1992) Science **255**: 989-991

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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