



20180406BB

Anti-Mouse TIE-2, agonistic (#MAB1201)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	mT1002r-m
Size:	200 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with purified mouse extracellular domain of Tie2 receptor. The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and lyophilized.

Target Background

Synonyms (Target):	Angiopoietin-1 receptor; Endothelial tyrosine kinase; HYK; STK1; Tunica interna endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor TIE-2; p140 TEK; CD202b; Te
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Tie-2 is an endothelial-specific receptor tyrosine kinase and a receptor for angiopoietins. Tie-2 is predominantly expressed in the endothelium and it is likely involved in the regulation of vascular maturation and stability.

Database References Target

Protein RefSeq:	NP_038718.2
Uniprot ID:	Q02858
mRNA RefSeq:	NM_013690.2

Product Specifications

Host	Rat
Reactivity against	Cross reactivity to other species has not been tested!
Clonality	Monoclonal Antibody
Clone	(#MAB1201)
Isotype	IgG2
Purification	Protein A/G chromatography
Antigen	Mouse Tie2 extracellular domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 400 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70 °C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody recognizes mouse TIE-2 but not TIE-1 in western blot. Cross reactivity to other species has not been tested!

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, Activation

Recommended usage:

WB: 1:500-1000

Activation of TIE-2 Receptor: Yes

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Application/Handling

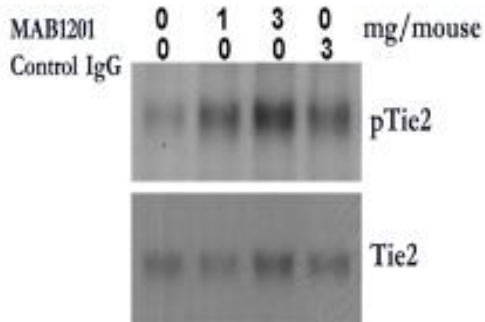


Fig. 1: MAB1201 induced TIE-2 activation in kidney in vivo: both isotype control (IgG1) and MAB1201 IgG were injected (i.p.) at the doses indicated and total and phosphor-TIE-2 were detected in kidney tissue 1 week after injection.