



20180406BB

# Anti-Mouse TIE-2 (#MAB0807)

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

<b>Cat.-no.:</b>	<b>103-M55</b>
Size:	100 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 mouse Tie2 extracellular domain. IgG1 fraction of the culture supernatant was purified by Protein G affinity chromatography.

## Target Background

<b>Synonyms (Target):</b>	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

<b>Protein RefSeq:</b>	NP_038718.2
<b>Uniprot ID:</b>	Q02858
<b>mRNA RefSeq:</b>	NM_013690.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#MAB0807)
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein A/G chromatography
<b>Antigen</b>	Mouse Tie2 extracellular domain
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 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 was selected for its ability to detect mouse TIE-2.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:  
WB, IHC, FC

### Recommended usage:

IHC: 1:100 - 1:200

Western Blot: 1:100 - 1:400

Flow cytometry: 1:50 - 1:100

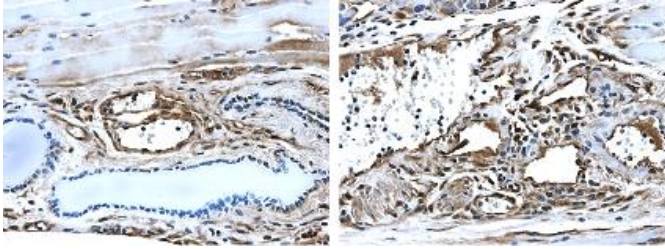
**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



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### Application/Handling



**Fig. 1:** Formalin fixed and paraffin embedded mouse skin tissue section from human breast cancer cell xenograft model was subjected to immunohistochemistry staining (ABC) of mouse Tie2 using 103-M55.