

## Product datasheet

### Mouse Anti-TIE1 (MM132)



## Overview

<b>Product name</b>	Anti-Human TIE1
<b>Host species</b>	Mouse
<b>Target species</b>	Human
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB, ELISA, Immunomicroscopy, Dot blot, ICC, IHC-Fr
<b>Immunogen</b>	A KLH-conjugated synthetic peptide derived from human Tyrosine kinase with immunoglobulin-like and EGF-like domains 1 (TIE1) protein was used for immunization.
<b>Conjugation</b>	Unconjugated

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## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4 °C. Store at -20 °C. Avoid freeze/thaw cycle. Please see notes section.
<b>Storage buffer</b>	Phosphate buffered saline pH 7.4, contains stabilizer and $\leq 0.09\%$ sodium azide.
<b>Purity</b>	immunogen affinity purified
<b>Purification notes</b>	This product was prepared by immunoaffinity chromatography using immunogen peptide coupled to Sepharose 4B.
<b>Conjugation notes</b>	-
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>General notes</b>	<p>For extended storage aliquot contents and freeze at -20 °C or below. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>Our customer's feedback says the antibody worked great. In case the antibody fails to give results then please contact our scientific support team for assistance.</p>

## Applications

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end-user.

### Product Usage Information:

#### Application Dilutions

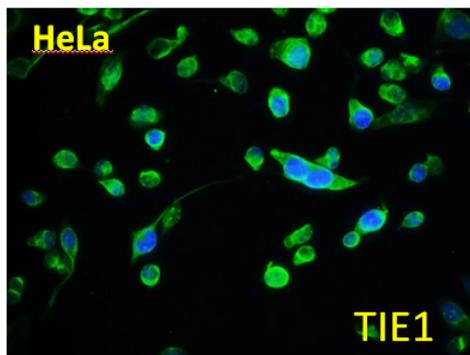
Western Blotting	3-5 ug/ml
Immunohistochemistry (Paraffin)	5-10 ug/ml
Immunohistochemistry (Frozen)	5-10 ug/ml
Immunofluorescence	5-10 ug/ml
Flow Cytometry	5-10 ug/ml

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Background:

Tyrosine kinase with immunoglobulin-like and EGF-like domains 1 also known as TIE1 is an angiopoietin receptor which in humans is encoded by the TIE1 gene. TIE1 is a cell surface protein expressed exclusively in endothelial cells, however it has also been shown to be expressed in immature hematopoietic cells and platelets. TIE1 upregulates the cell adhesion molecules (CAMs) VCAM-1, E-selectin, and ICAM-1 through a p38-dependent mechanism. Attachment of monocyte derived immune cells to endothelial cells is also enhanced by TIE1 expression. TIE1 has a proinflammatory effect and may play a role in the endothelial inflammatory diseases such as atherosclerosis.

### References:



Note: This product has originally been developed at Avicenna Research Institute, Tehran, IRAN and assigned to PADZA Company according to contract 98/15/191dated 98/01/10.