



Datasheet for ABIN951225
anti-TEK antibody (AA 23-737)



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2 Images

Overview

Quantity:	0.1 mg
Target:	TEK
Binding Specificity:	AA 23-737
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Highly pure (>95%) recombinant Mouse soluble TIE-2 (Ala23-Ala737) derived from Insect cells.
Isotype:	IgG
Specificity:	Recognizes TIE-2 (CD202b/TEK)
Cross-Reactivity (Details):	Species reactivity (tested):Mouse, Human (Weak).
Purification:	Protein A Chromatography

Target Details

Target:	TEK
Alternative Name:	CD202b / TEK (TEK Products)
Background:	Recombinant Mouse soluble TIE-1 was fused with a 6x His-tag at the C-terminus. The soluble receptor protein consists of the full extracellular domain (Ser22-Ala748). Mouse sTIE-1

Target Details

monomer has a calculated molecular mass of approximately 79,8 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 95 kDa protein in SDS-PAGE under reducing conditions. TIE-1 (tyrosine kinase with Ig and EGF homology domains 1) and TIE-2/Tek comprise a receptor tyrosine kinase (RTK) subfamily with unique structural characteristics: two immunoglobulin-like domains flanking three epidermal growth factor (EGF)-like domains and followed by three fibronectin type III-like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. These receptors are expressed primarily on endothelial and hematopoietic progenitor cells and play critical roles in angiogenesis, vasculogenesis and hematopoiesis. Synonyms: Angiopoietin-1 receptor, TIE-2, TIE2, Tunica interna endothelial cell kinase, Tyrosine-protein kinase receptor TEK, Tyrosine-protein kinase receptor TIE-2, p140 TEK

Gene ID: 7010

NCBI Accession: [NP_000450](#)

Pathways: [RTK Signaling, Growth Factor Binding](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

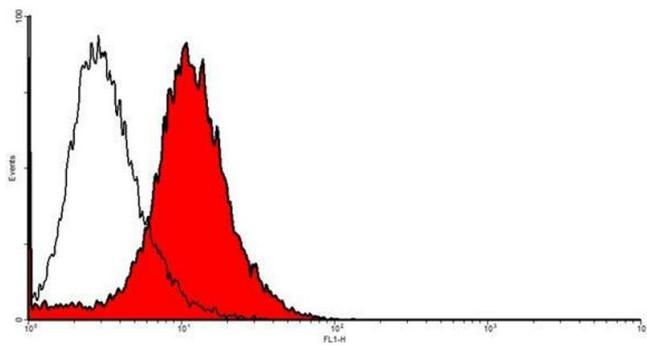
Handling

Buffer: PBS, pH 7.2

Storage: 4 °C/-20 °C

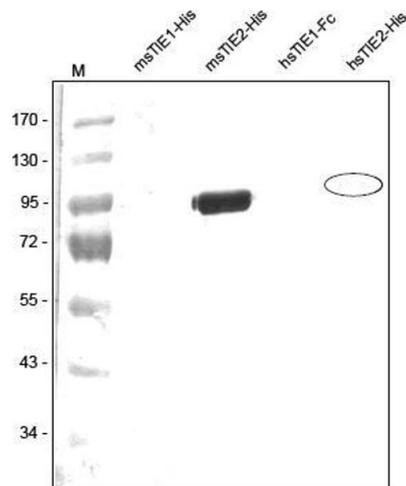
Storage Comment: The lyophilized antibody is stable at RT for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. Avoid repeated freeze-thaw cycles!

Expiry Date: 6 months



Flow Cytometry

Image 1. FACS analysis of TIE-2 expression in primary mouse endothelial cells (SnoMec).



Western Blotting

Image 2. Western analysis of recombinant Human and Mouse sTIE-1 and sTIE-2 with a Polyclonal antibody directed against Mouse recombinant sTIE-2. There is a very weak cross reactivity with Human sTIE-2 but not with Human and Mouse sTIE-1 visible.