

Product datasheet for **AP31728PU-N**

CD202b / TEK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	Western Blot: 2-5 µg/ml. Flow Cytometry: 1-5 µg/ml.
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Highly pure (>95%) recombinant Mouse soluble TIE-2 (Ala23-Ala737) derived from Insect cells.
Specificity:	Recognizes TIE-2 (CD202b/TEK)
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	endothelial-specific receptor tyrosine kinase
Database Link:	<u>Entrez Gene 21687 Mouse Q02858</u>



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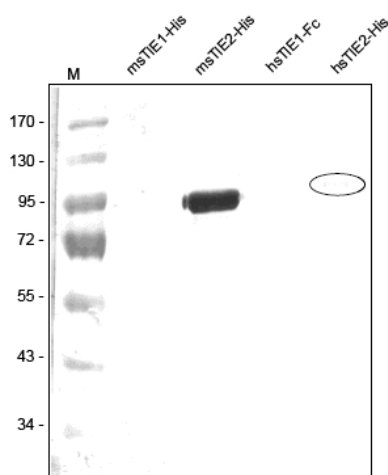
Background:

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 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.

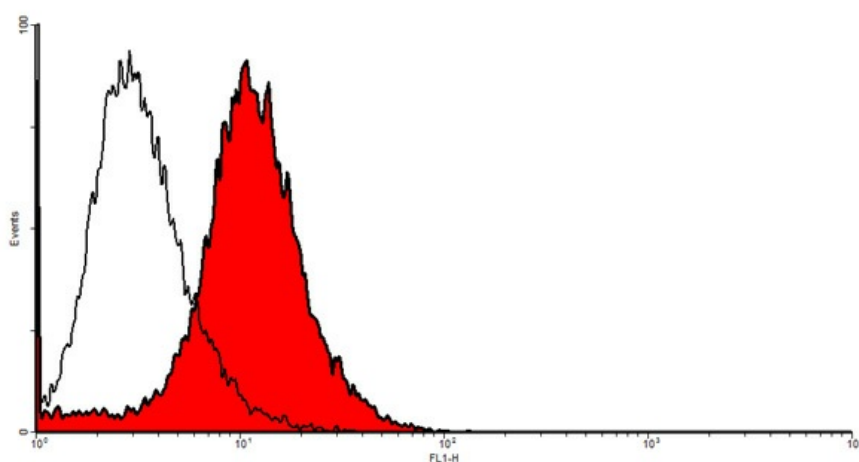
Synonyms:

TIE2, TIE-2, Angiopoietin-1 receptor, p140 TEK

Product images:



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.



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