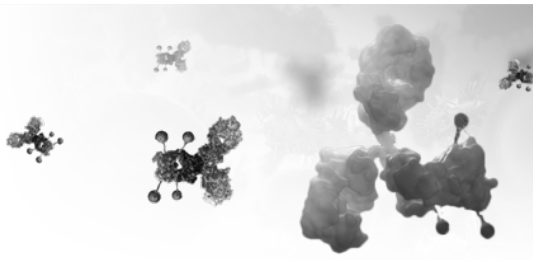

Mouse Anti-Human Tie-1 monoclonal antibody, clone NN14 (CABT-ZB743)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Tie-1 It has no cross-reactivity in ELISA with Human Tie2, Human cell lysate (293 cell line).
Target	TIE1
Immunogen	Recombinant Human Tie1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN14
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB743 - CABT-ZB1060 This antibody will detect Tie-1 in antibody pair set. [ABPR-ZB323]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Tie1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Tyrosine kinase with immunoglobulin-like and EGF-like domains 1 also known as Tie1 is an angiopoietin receptor and is an orphan receptor tyrosine kinase that is expressed almost exclusively in endothelial cells and that is required for normal embryonic vascular development. The receptor tyrosine kinase Tie1 is expressed primarily in vascular endothelial cells. The receptor has also been detected in epithelial tumours in breast, thyroid and gastric cancers and in tumour cell lines where it appears as a 45 kDa truncated receptor fragment. Tie1 promotes endothelial cell survival, but other studies have suggested that the Tie1 kinase has little to no activity. Embryos deficient in Tie1 failed to establish structural integrity of vascular endothelial cells, resulting in oedema and subsequently localized haemorrhage. Tie1 is significantly higher in human aortic endothelial cells than in human umbilical vein endothelial cells. Additionally, attachment of cells of monocytic lineage to endothelial cells is also enhanced by Tie1 expression. Collectively Tie1 has a proinflammatory property and may play a role in endothelial inflammatory diseases such as atherosclerosis.
Keywords	TIE1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TIE,tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; tyrosine-protein kinase receptor Tie-1

GENE INFORMATION

Synonyms	TIE1; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; TIE,tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1; tyrosine-protein kinase receptor Tie-1; JTK14; JKT 14; JTK14; TIE; Tie1; TIE1_HUMAN; Tyrosine Ki
Entrez Gene ID	7075
UniProt ID	P35590

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221