

## TEK

### Mouse Anti-Human TEK/TIE-2 Clone #tek16 mAb

<b>Catalog No.</b>	CMT204	<b>Quantity:</b>	100 µg
<b>Description:</b>	Tyrosine Endothelial Kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This Receptor Tyrosine Kinase (RTK) possesses a unique extracellular domain containing 2 Immunoglobulin (Ig)-like loops separated by 3 Epidermal Growth Factor (EGF)-like repeats that are connected to 3 Fibronectin type III-like repeats. The ligand for TEK is Angiopoietin-1 (ANGPT1). Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase.		
<b>Gene ID:</b>	7010		
<b>Specificity:</b>	Native Human TEK		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Recombinant Human soluble TEK		
<b>Isotype:</b>	IgG <sub>1</sub>		
<b>Clone:</b>	#tek16		
<b>Formulation:</b>	Lyophilized from PBS solution, pH 7.4 without preservative.		
<b>Purification:</b>	Protein G chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute in sterile water to a concentration of 1.0 mg/mL.		
<b>Applications:</b>	<b>ELISA:</b> working dilution of 1-15 µg/mL. <b>Western blot:</b> working dilution of 1-2 µg/mL. <b>FACS analysis and cell sorting:</b> working dilution of 2-5 µg/mL together with the appropriate secondary reagents. The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Stable at room temperature, but best kept desiccated below 0°C. After reconstitution, stable at 2-4°C for at least 6 weeks or in working aliquots at -20°C for more than 6 months. <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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