

## Product datasheet for **DM3511R**

### TIE2 (TEK) Mouse Monoclonal Antibody [Clone ID: Cl.16]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Cl.16
Applications:	FC
Recommended Dilution:	<b>FACS analysis and cell sorting:</b> ≤ 0.5 µg/ml in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human soluble CD202b / TIE-2 protein
Specificity:	The unconjugated monoclonal antibody will detect native human TIE-2 /TEK in ELISA experiments and on the surface of different human cell types.
Formulation:	PBS Label: PE State: Liquid purified IgG fraction from culture supernatant Stabilizer: 1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	PE
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	TEK receptor tyrosine kinase
Database Link:	<a href="#">Entrez Gene 7010 Human Q02763</a>



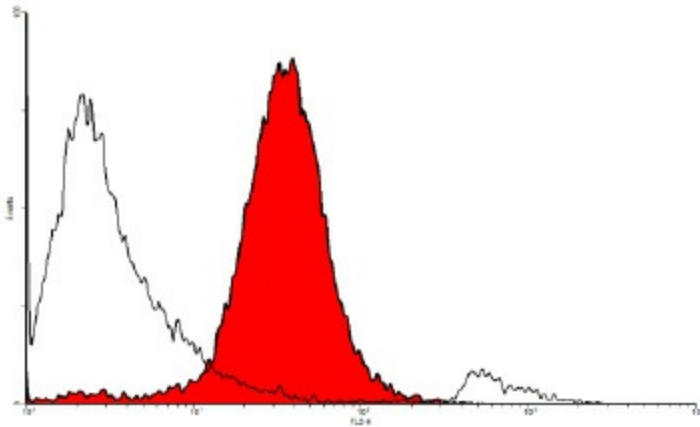
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**Background:**

TIE2 (tyrosine kinase with Ig and EGF homology domains 2) is expressed almost exclusively in endothelial cells in mice, rats and humans. This receptor possesses a unique extracellular domain containing two immunoglobulin like loops separated by three epidermal growth factor like repeats that are connected to three fibronectin type III like repeats. The ligand for the receptor is Angiopoietin 1. Defects in TIE2 are associated with inherited venous malformations; the TIE2 signaling pathway appears to be critical for endothelial cell smooth muscle cell communication in venous morphogenesis.

**Synonyms:**

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

**Product images:**

FACS analysis with primary human dermal lymphatic endothelial cells (HDLEC).