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Anti-TIE2 hIgG1 Antibody (Tie2 2.38)

Product information

GM-51860AB-10	10 μg
GM-51860AB-100	100 μg
GM-51860AB-1000	1 mg

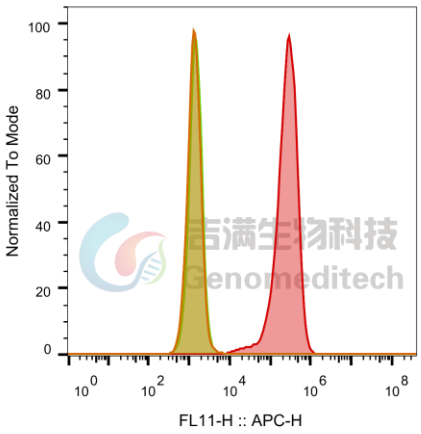
Antibody Information

Species Reactivity	Human
Clone	Tie2 2.38
Source/Isotype	Human IgG1, Kappa
Application	Flow Cytometry
Target	Detects TIE2
Gene	TIE2
Other Names	TEK, VMCM, VMCM1, CD202b
Gene ID	7010(Human)
Background	TIE2 gene is located in the human genome 1p33-1p34 region, encoding tyrosine kinase receptor TIE2, is the core receptor of Angiopoietin, mainly expressed in vascular endothelium, it plays a key role in physiological and pathological angiogenesis such as embryonic vascular development, wound healing and tumor angiogenesis. Its function is regulated by the ligands Ang-1 and Ang-2: Ang-1 acts as an agonist, induces receptor phosphorylation after binding to TIE2, activates downstream signaling pathways, and activates the signaling pathway of TIE2, it enhances endothelial cell-cell junctions, reduces vascular leakage and promotes tissue homeostasis; Ang-2 often acts as a competitive antagonist under pathological conditions, weakening vascular stability, and exacerbating inflammation and exudation.
Storage	Store at 2-8℃ short term (1-2 weeks). Store at ≤ -20℃ long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow Cytometry

H_Tie2 HEK-293 Cell Line (Catalog # GM-C26518) was stained with Anti-TIE2 hIgG1 Antibody (Tie2 2.38) (Catalog # GM-51860AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : FL11-H
	HEK-293 Anti-TIE2+APC-2nd Ab	1367
	HEK-293 H_Tie2 H_IgG+APC-2nd Ab	1474
	HEK-293 H_Tie2 Anti-TIE2+APC-2nd Ab	243964

Fig. FACS