

Anti-TIE2 hIgG1 Antibody(hzTAAB-H2L2)

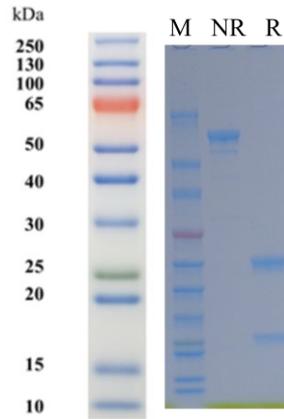
Product information

GM-88367AB-10	10 µg
GM-88367AB-100	100 µg
GM-88367AB-1000	1 mg

Antibody Information

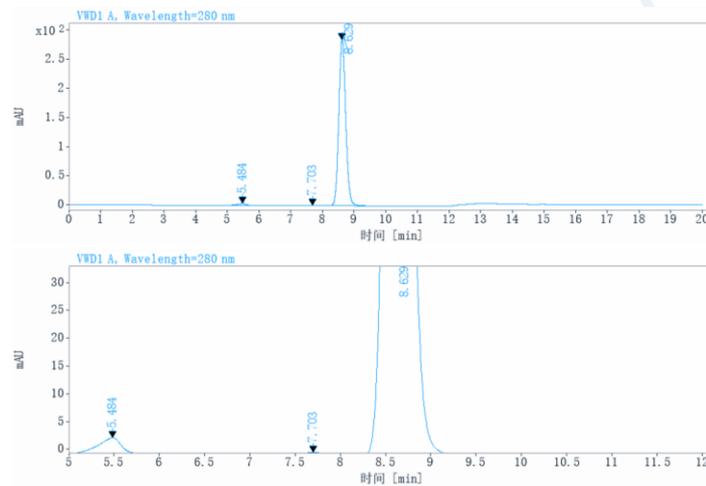
Species Reactivity	Human
Clone	hzTAAB-H2L2
Source/Isotype	Human IgG1 (D356E/L358M),Kappa
Application	/
Target	Detects TIE2
Gene	TIE2
Other Names	TIE2, Tie-2, TEK, VMCM, VMCM1, CD202b, Angiopoietin-1 receptor
Gene ID	7010 (Human)
Background	Tie2 gene is located in the human genome 1p33-1p34 region, encoding 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°C short term (1-2 weeks).Store at ≤ -20°C 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

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC