



Anti-ANGPT2 monoclonal antibody, clone 96945 [Biotin] (DCABY-4263)

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

PRODUCT INFORMATION

Antigen Description	Angiopoietins, Ang-1, Ang-2, and Ang-3 (mouse)/Ang-4 (human), are natural agonists or antagonists of the Tie-2 receptor tyrosine kinase and are important modulators of angiogenesis. Two domains characterize the angiopoietin family of proteins: an N-terminal coiled-coil domain that mediates homo-oligomerization, and a C-terminal fibrinogen-like domain that binds Tie-2.
Specificity	Detects human Angiopoietin-2 in ELISAs. In ELISAs, this antibody shows no cross-reactivity with recombinant human (rh) Ang-1, rhAng-4, rhAng-X, rmAng-3, rmANGPTL3, rhTie-1, rhTie-2, and rmTie-2.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Angiopoietin-2. Asp68-Phe496 Accession Number O15123
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	96945
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)
Format	Liquid
Size	250 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

Preservative	None
Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

GENE INFORMATION

Gene Name	ANGPT2 angiotensinogen 2 [Homo sapiens (human)]
Official Symbol	ANGPT2
Synonyms	ANGPT2; angiotensinogen 2; ANG2; AGPT2; angiotensin-2; ANG-2; Tie2-ligand; angiotensin-2B; angiotensin-2a;
Entrez Gene ID	285
Protein Refseq	NP_001112359
UniProt ID	O15123
Chromosome Location	8p23.1
Pathway	Angiotensin receptor Tie2-mediated signaling; Cell surface interactions at the vascular wall; HIF-1 signaling pathway; Hemostasis; PI3K-Akt signaling pathway; Rap1 signaling pathway; Ras signaling pathway; Tie2 Signaling;
Function	metal ion binding; protein binding; receptor binding; receptor tyrosine kinase binding;