



Rat anti-Mouse Angiopoietin-3 Monoclonal antibody, clone 224649 (DCABY-4230)

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 mouseAngiopoietin-3 in direct ELISAs and Western blots.
Immunogen	E. coli-derived recombinant mouse Angiopoietin-3. Ala21-Ala509 Accession Number Q9WVH6
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	224649
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 °C as supplied.
	1 month, 2 to 8 °C under sterile conditions after reconstitution.
	6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Angpt4 angiopoietin 4 [Mus musculus (house mouse)]
Official Symbol	ANGPT4
Synonyms	ANGPT4; angiopoietin 4; Ang3; Agpt4; angiopoietin-4; ANG-3; ANG-4; angiopoietin 3; angiopoietin-3;
Entrez Gene ID	11602
Protein Refseq	NP_033771
UniProt ID	Q3V0P7
Chromosome Location	2 G3; 2 74.83 cM
Pathway	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	receptor tyrosine kinase binding; transmembrane receptor protein tyrosine kinase activator activity; vascular endothelial growth factor receptor binding;