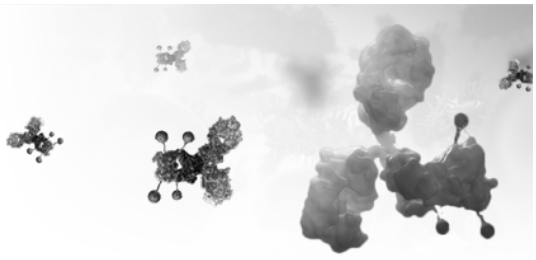

Mouse ANGPT1 blocking peptide (CDBP0396)

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

PRODUCT INFORMATION

Product Overview	Angiopoietin - 1 (N - term) peptide (mouse)
Antigen Description	Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Dec 2010]
Species	Mouse
Conjugate	Unconjugated
Applications	BL
Concentration	1 mg/ml
Size	50 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% sodium azide
Preservative	0.01% Sodium Azide
Storage	Upon Receipt - Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name	ANGPT1 angiopoietin 1 [Homo sapiens (human)]

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Official Symbol	ANGPT1
Synonyms	ANGPT1; angiopoietin 1; AGP1; AGPT; ANG1; angiopoietin-1; ANG-1;
Entrez Gene ID	284
mRNA Refseq	NM_001146.3
Protein Refseq	NP_001137.2
UniProt ID	Q15389
Chromosome Location	8q23.1
Pathway	Angiogenesis, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; HIF-1 signaling pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; PI3K-Akt signaling pathway, organism-specific biosystem; PI3K-Akt signaling pathway, conserved biosystem; Rap1 signaling pathway, organism-specific biosystem; Rap1 signaling pathway, conserved biosystem; Ras s
Function	receptor tyrosine kinase binding;

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