

Datasheet for ABIN6720122

Angiopoietin 2 ELISA Kit

1 Image



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Overview

Quantity:	1 kit
Target:	Angiopoietin 2 (ANGPT2)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: AGPT2, ANG 2, ANG-2, ANG2, Angiopoietin 2a, Angiopoietin 2B, Angiopoietin-2, Angiopoietin2, ANGP2_HUMAN, ANGPT 2, Angpt2, Tie2 ligand</p> <p>Background: Angiopoietin-2 is a protein that in humans is encoded by the ANGPTL2 gene. Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. Human and mouse ANGPT2 are 85 % identical in amino acid sequence and approximately 60 % identical to their ANGPT1 homologs. Transgenic overexpression of ANGPT2 in mice disrupted blood vessel formation in</p>

Product Details

the mouse embryo. By FISH and radiation hybrid analysis, the human ANGPT2 gene was mapped to 8p23, and in a region of syntenic homology on mouse chromosome 8, where the Angpt2 gene was mapped. ANGPT2 is a naturally occurring antagonist of angiopoietin-1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2 autophosphorylation during vasculogenesis .

Gene Name: ANGPT2

Production: Natural and recombinant mouse Angiopoietin-2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: M1-F496

Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	Angiopoietin-2 (ANGPT2 Products)
Gene ID:	11601
NCBI Accession:	NP_031452
UniProt:	B9EHQ4
Pathways:	RTK Signaling

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Angiopoietin-2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Angiopoietin-2 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

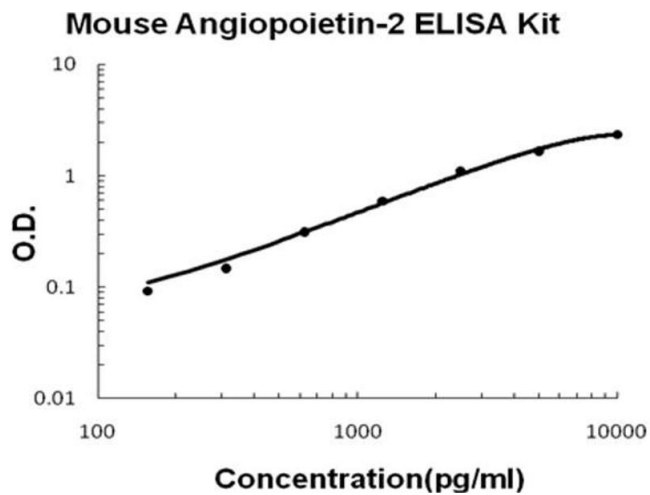
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse Angiopoietin-2 Accusignal ELISA Kit Mouse Angiopoietin-2 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.