

## Datasheet for ABIN6720078 **Angiopoietin 1 ELISA Kit**

[Go to Product page](#)

### Overview

Quantity:	1 kit
Target:	Angiopoietin 1 (ANGPT1)
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:	Mouse Angiopoietin-1 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse Angiopoietin-1. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

Target:	Angiopietin 1 (ANGPT1)
Alternative Name:	Angiopietin-1 ( <a href="#">ANGPT1 Products</a> )
Background:	<p>Synonyms: 1110046021Rik, AGP 1, AGP1, AGPT, ANG 1, ANG1, Angiopietin1, ANGPT 1, ANGPT1, KIAA0004</p> <p>Background: Angiopietin 1, also called ANG1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopietins 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. This gene was mapped to 8q23.1. 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.</p>
Gene ID:	11600
NCBI Accession:	<a href="#">NP_033770</a>
UniProt:	<a href="#">O08538</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Angiopietin-1 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 Angiopietin-1 standard solution and each sample be
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Application Details

	measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: H16-F497
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	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.
Expiry Date:	12 months