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## Datasheet for ABIN6720079 **ANGPTL3 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	ANGPTL3
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:** Synonyms: ANG 5, ANG-5, ANG5, Angiopoietin 5, Angiopoietin like 3, Angiopoietin related protein 3, Angiopoietin-5, Angiopoietin-like protein 3, Angiopoietin-related protein 3, ANGL3\_HUMAN, ANGPT5, ANGPTL3, ANL3, FHBL2, OTTHUMP00000010719, UNQ153/PRO179

Background: ANGPTL3, also known as Angiopoietin-like 3 or HYPLI, is a protein that in humans is encoded by the ANGPTL3 gene. It is mapped to 1p31.3. The protein encoded by this gene is a member of the angiopoietin-like family of secreted factors. It is expressed predominantly in the liver, and has the characteristic structure of angiopoietins, consisting of a signal peptide, N-

## Product Details

terminal coiled-coil domain, and the C-terminal fibrinogen (FBN)-like domain. ANGPTL3 also acts as dual inhibitor of lipoprotein lipase (LPL) and endothelial lipase (EL), and increases plasma triglyceride and HDL cholesterol in rodents. It can inhibit endothelial lipase to catalyze HDL-phospholipid and increase HDL-PL levels.

Gene Name: ANGPTL3

Production: Natural and recombinant mouse ANGPTL3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: S17-T455

## Target Details

Target: ANGPTL3

Alternative Name: ANGPTL3 ([ANGPTL3 Products](#))

Gene ID: 30924

NCBI Accession: [NP\\_038941](#)

UniProt: [Q9R182](#)

## Application Details

Application Notes: Application Note: 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 ANGPTL3 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 ANGPTL3 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

Storage: RT, 4 °C, -20 °C

## Handling

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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.