

[Go to Product page](#)

Datasheet for ABIN6720270

Periostin ELISA Kit

Overview

Quantity:	1 kit
Target:	Periostin (POSTN)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 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: OSF-2, Osteoblast-specific factor 2, Periostin, PN, POSTN, POSTN_HUMAN</p> <p>Background: Periostin, also known as OSF2, is a protein that in humans is encoded by the POSTN gene. The International Radiation Hybrid Mapping Consortium mapped the POSTN gene to chromosome 13. Periostin functions as a ligand for alpha-V/beta-3 and alpha-V/ beta-5 integrins to support adhesion and migration of epithelial cells. It is found that periostin was overexpressed by the majority of human primary breast cancers examined. After myocardial infarction, periostin-induced cardiomyocyte cell cycle reentry and mitosis were associated with improved ventricular remodeling and myocardial function, reduced fibrosis and infarct size, and</p>

Product Details

increase angiogenesis.

Gene Name: POSTN

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

Standard: Expression system for standard: NSO, Immunogen sequence: N24-Q836

Target Details

Target:	Periostin (POSTN)
Alternative Name:	Periostin - OSF2 (POSTN Products)
Gene ID:	50706
NCBI Accession:	NP_001185694
UniProt:	Q62009

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL mouse Periostin 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 Periostin standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 93.7pg/mL-6000pg/mL</p>
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.