

Human Periostin ELISA Kit | POSTN elisa kit

Human Periostin ELISA Kit

CATALOG # AAA17869	REACTIVITY Human	APPLICATIONS ELISA
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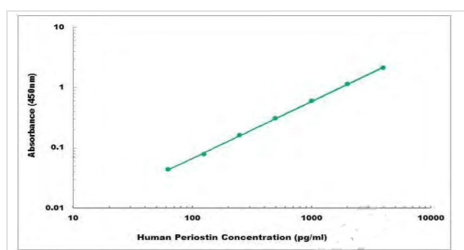
PRODUCT SYNONYMS

Periostin; Human Periostin ELISA Kit; OSF2; PN; Osteoblast-specific factor 2; OSF-2; POSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Periostin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Periostin proteins within the range of 62.5 pg/ml - 4000 pg/ml pg/ml.
Sequence Length	779
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 30 pg/ml
Applicable Applications for POSTN elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for POSTN elisa kit	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 increase angiogenesis. Principle of the Assay: The Human Periostin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Periostin in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Periostin coated on a 96-well plate. Standards and samples are pipetted into the wells and Periostin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Periostin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Periostin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862911
NCBI GeneID	10631
NCBI Accession #	NP_001129406.1
NCBI GenBank Nucleotide #	NM_001135934.1
UniProt Accession #	Q15063; Q15064; Q29XZ0; Q3KPJ5; Q5VSY5; Q8IZF9; B1ALD8; C0IMJ1; C0IMJ2; C0IMJ4; D2KRH7; F5H628
Molecular Weight	80,357 Da
NCBI Official Full Name	periostin isoform 2
NCBI Official Synonym Full Names	periostin, osteoblast specific factor
NCBI Official Symbol	POSTN
NCBI Official Synonym Symbols	PN; OSF2; OSF-2; PDLPOSTN; periostin
NCBI Protein Information	periostin; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like)
UniProt Protein Name	Periostin
UniProt Gene Name	POSTN
UniProt Synonym Gene Names	OSF2; PN; OSF-2
UniProt Entry Name	POSTN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.