

Human Periostin/OSF2 ELISA Kit | POSTN elisa kit

Human Periostin/OSF2 PicoKine ELISA Kit

CATALOG #
AAA45968

REACTIVITY
Human

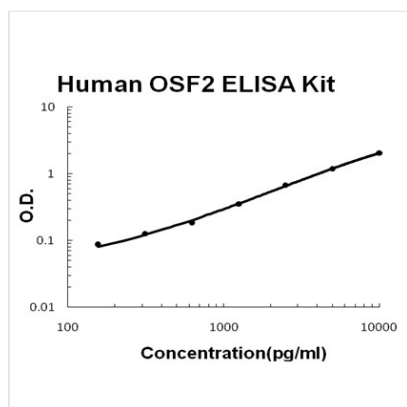
PRODUCT SYNONYMS

Periostin/OSF2; Human Periostin/OSF2 PicoKine ELISA Kit; Periostin; periostin; osteoblast specific factor; Fasciclin-I like; MGC119510; MGC119511; OSF 2; OSF-2; OSF2; Osteoblast specific factor 2 (fasciclin I like); osteoblast specific factor 2 (fasciclin I-like); Osteoblast specific factor 2; Osteoblast specific factor; Osteoblast-specific factor 2; PDLPOSTN; Periodontal ligament specific periostin; Periostin isoform thy2; Periostin isoform thy4; Periostin isoform thy6; Periostin isoform thy8; Periostin osteoblast specific factor; PN; POSTN; POSTN_HUMAN; RP11 412K4.1; POSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Periostin/OSF2
Sequence Length	836
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Periostin/OSF2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for POSTN elisa kit	Principle of the Assay: Human Periostin/OSF2 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for Periostin/OSF2 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: N22-Q836) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Periostin/OSF2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Periostin/OSF2 amount of sample captured in plate. 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	93138709
NCBI GeneID	10631
UniProt Accession #	Q15063; Q15064; Q29XZ0; Q3KPJ5; Q5VSY5; Q8IZF9; B1ALD8; C0IMJ1; C0IMJ2; C0IMJ4; D2KRH7; F5H628
Molecular Weight	80,357 Da
NCBI Official Full Name	Periostin
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.