

**Mouse Periostin/OSF2 AccuSignal ELISA Kit - KOA0686**
**Code:** KOA0686

**Size:** 1 Kit

**Product Description:** Mouse Periostin/OSF2 AccuSignal ELISA Kit - KOA0686

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	POSTN
<b>Species Reactivity</b>	Mouse
<b>Storage Condition</b>	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.
<b>Synonyms</b>	OSF-2, Osteoblast-specific factor 2, Periostin, PN, POSTN, POSTN_HUMAN
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 187.5pg/ml, 93.7pg/m mouse Periostin standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
<b>Background</b>	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.
<b>Purity And Specificity</b>	Natural and recombinant mouse Periostin. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	93.7pg/ml-6000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: N24-Q836
<b>Anti-Coagulant</b>	Heparin Sodium

**Related Products**

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

**Related Links**

UniProtKB - Q62009

<http://www.uniprot.org/uniprot/Q62009>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_001185694.1](http://www.ncbi.nlm.nih.gov/protein/NP_001185694.1)

GeneID - 50706

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=50706>

## **Disclaimer**

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