

Datasheet for ABIN6720114

Periostin ELISA Kit**1** Image[Go to Product page](#)

Overview

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|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | Periostin (POSTN) |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL |
| Application: | ELISA |

Product Details

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| 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 human Periostin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: N22-Q836

Target Details

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|-------------------|---|
| Target: | Periostin (POSTN) |
| Alternative Name: | Periostin - OSF2 (POSTN Products) |
| Gene ID: | 10631 |
| NCBI Accession: | NP_001129406 |
| UniProt: | Q15063 |

Application Details

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| Application Notes: | <p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Periostin standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 7/29/18 -20° C - 1/29/19</p> |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

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| 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.

