

Datasheet for ABIN2703411
Periostin ELISA Kit



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1 Image

Overview

Quantity: 96 tests

Target: Periostin (POSTN)

Reactivity: Mouse

Method Type: Sandwich ELISA

Detection Range: 0.05-16 ng/mL

Minimum Detection Limit: 0.05 ng/mL

Application: ELISA

Product Details

Purpose: Mouse Periostin ELISA Kit for cell culture supernatants, Heparin and/or EDTA treated plasma, and serum samples. Citrate is not recommended.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: This ELISA kit shows no cross-reactivity with the following cytokines tested: Axl, BLC, CD27 Ligand, CD30, CD30 Ligand, CD40, CXCL16, EGF, E-selectin, Fractalkine, GITR, HGF, ICAM-1, IFN-gamma, IGF-1, IGFBP-2, IGFBP-3, IGFBP-5, IGFBP-6, IL-1 alpha, IL-1 ra, IL-1 beta, IL-2, IL-2 R alpha, IL-3, IL-4, IL-5, IL-6, IL-7, IL-10, IL-12 p70, IL-17E, IL-17F, IL-20, IL-23, IL-28, I-TAC, MCP-1, MCP-5, M-CSF, MDC, MIG, MIP-1 alpha, MIP-1 gamma, MIP-2, MIP-3 alpha, Osteopontin, Osteoprotegerin, Prolactin, Pro-MMP-9, P-selectin, Resistin, SCF, SDF-1 alpha, TPO, VCAM-1.

Sensitivity: 0.05 ng/mL

Product Details

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| Characteristics: | <ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data |
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| Components: | <ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody• Streptavidin-Conjugated HRP• TMB One-Step Substrate |
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| Material not included: | <ul style="list-style-type: none">• Distilled or deionized water• Precision pipettes to deliver 2 µL to 1 µL volumes• Adjustable 1-25 µL pipettes for reagent preparation• 100 µL and 1 liter graduated cylinders• Tubes to prepare standard and sample dilutions• Absorbent paper• Microplate reader capable of measuring absorbance at 450nm• Log-log graph paper or computer and software for ELISA data analysis |
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Target Details

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| Target: | Periostin (POSTN) |
| Alternative Name: | Periostin (POSTN Products) |
| Background: | Gene Names: Postn Osf2 Protein names: Periostin (PN) (Osteoblast-specific factor 2) (OSF-2) |
| Gene ID: | 50706 |
| UniProt: | Q62009 |

Application Details

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| Application Notes: | Recommended Dilution for serum and plasma samples 50 - 500 fold |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Protocol: | 1. Prepare all reagents, samples and standards as instructed in the manual. |

Application Details

2. Add 100 μ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 $^{\circ}$ C.
4. Add 100 μ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Sample Preparation: Collect plasma using heparin and/or EDTA as the anticoagulant. Citrate is not recommended.

Restrictions: For Research Use only

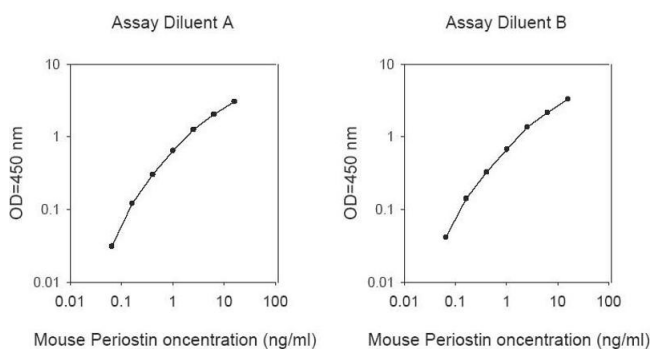
Handling

Storage: -20 $^{\circ}$ C

Storage Comment: The entire kit may be stored at -20 $^{\circ}$ C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4 $^{\circ}$ C for up to 6 months. For extended storage, it is recommended to store at -80 $^{\circ}$ C.

Expiry Date: 6 months

Images



ELISA

Image 1.