

Datasheet for ABIN6720316
IGFBPI ELISA Kit[Go to Product page](#)**1** Image

Overview

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| Quantity: | 1 kit |
| Target: | IGFBPI |
| Reactivity: | Human |
| Method Type: | Sandwich ELISA |
| Detection Range: | 31.2 pg/mL - 2000 pg/mL |
| Minimum Detection Limit: | 31.2 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, Urine |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: AFBP, hIGFBP-1, IBP1, IGF-binding protein 1, IGF-BP25, Insulin-like growth factor-binding protein 1, Placental protein 12, PP12</p> <p>Background: IGFBP1 is also known as amniotic fluid binding protein (AFBP), placental protein-12, alpha-pregnancy-associated endometrial globulin, growth hormone independent binding protein, binding protein-28, binding protein-26, and binding protein-25. The low-molecular weight insulin-like growth-factor binding protein (IGF-BP25) is synthesized by human liver, secretory endometrium and decidua, and is also present in human serum. It binds insulin-like growth factors IGF-I and IGF-II with high affinity, and is proposed to act as a paracrine regulator</p> |

Product Details

of cell growth. These IGF-binding proteins are expressed at different concentrations in different tissues and are thought to regulate the activity of IGF I and II. The gene is organized in four exons and spans 5.9 kb. The IBP-1 gene is a single copy gene, located on chromosome 7. The standard product used in this kit is recombinant human IGFBP-1, consisting of 234 amino acids with the molecular mass of 25KDa.

Gene Name: IGFBP1

Production: Natural and recombinant human IGFBP-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A26-N259

Target Details

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| Target: | IGFBPI |
| Alternative Name: | IGFBP-1 (IGFBPI Products) |
| Gene ID: | 3484 |
| NCBI Accession: | NP_000587 |
| UniProt: | P08833 |
| Pathways: | Myometrial Relaxation and Contraction , ER-Nucleus Signaling , Growth Factor Binding |

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 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human IGFBP-1 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, plasma (heparin, EDTA) or urine to each empty well. It is recommended that each human IGFBP-1 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</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. |

Images

