

Human IGFBP-3 ELISA Kit

Catalog No :	KE1230
Reactivity :	Human
Applications :	ELISA
Gene Name :	IGFBP3
Protein Name :	Insulin-like growth factor-binding protein 3
Human Gene Id :	3486
Human Swiss Prot No :	P17936
Mouse Swiss Prot No :	P47878
Specificity :	Sample Type for Cell Culture Supernates, Cell lysates, Tissue Lysates, Serum, EDTA Plasma, Heparin Plasma
Storage Stability :	2-8°C/6 months
Detection Method :	Colorimetric
Background :	<p>developmental stage:IGFBP3 levels are higher during extrauterine life and peak during puberty.,domain:The thyroglobulin type-1 domain mediates interaction with HN.,function:IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.,induction:IGFBP3 levels increase in the presence of IGF1, insulin and other growth-stimulating factors such as growth hormone, epidermal growth factor, and phorbol esters.,online information:The Singapore human mutation and polymorphism database,similarity:Contains 1 IGFBP N-terminal domain.,similarity:Contains 1 thyroglobulin type-1 domain.,subunit:Interacts with XLKD1 (By similarity). Binds IGF2 more than IGF1. Forms a ternary complex of about 140 to 150 kDa with IGF1 or IGF2 and a 85 kDa glycoprotein (ALS). Interacts with HN.,tissue specificity:Expressed by most tissues.,</p>
Function :	skeletal system development, ossification, regulation of cell growth, osteoblast differentiation, regulation of protein amino acid phosphorylation, negative regulation of protein amino acid phosphorylation, protein amino acid

phosphorylation, phosphorus metabolic process, phosphate metabolic process, negative regulation of cell proliferation, negative regulation of signal transduction, negative regulation of phosphorus metabolic process, negative regulation of macromolecule metabolic process, negative regulation of cell communication, regulation of cell death, positive regulation of cell death, regulation of smooth muscle cell migration, negative regulation of smooth muscle cell migration, regulation of striated muscle tissue development, phosphorylation, regulation of phosphate metabolic process, regulation of cell migration, negative regulation of cell migration, regulation of protein m

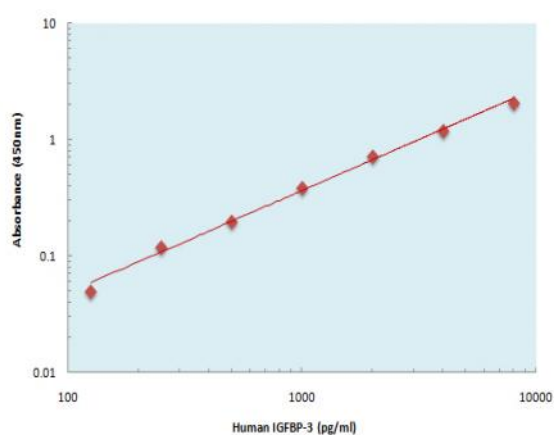
Subcellular Location :

Secreted .

Expression :

Expressed by most tissues. Present in plasma.

Products Images



The Human IGFBP-3 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human IGFBP-3 proteins within the range of 125-8000 pg/ml.