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Datasheet for ABIN6720390 Osteopontin ELISA Kit

Image



Overview

Quantity:	1 kit
Target:	Osteopontin (SPP1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen				
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Saliva, Serum, Urine				
Analytical Method:	Quantitative				
Detection Method:	Colorimetric				
Characteristics:	 Synonyms: BNSP, Bone sialoprotein 1, Bone sialoprotein I, BSPI, Early T lymphocyte activation 1, ETA 1, MGC110940, Nephropontin, OPN, Osteopontin, OSTP_HUMAN, Secreted phosphoprotein 1, Secreted phosphoprotein 1 (osteopontin bone sialoprotein I early T lymphocyte activation 1), Secreted phosphoprotein 1 (osteopontin bone sialoprotein), SPP-1, SPP1, Urinary stone protein, Uropontin Background: Osteopontin(OPN) also called urinary stone protein, secreted phosphoprotein 1(SPP1), bone sialoprotein, and early T lymphocyte activation 1(ETA1). Osteopontin is a phosphorylated glycoprotein secreted to the mineralizing extrOPNIlular matrix by osteoblasts 				

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6720390 | 09/10/2023 | Copyright antibodies-online. All rights reserved. during bone development. It is believed to facilitate the attachment of osteoblasts and osteoclasts to the extrOPNIlular matrix, allowing them to perform their respective functions during osteogenesis. Osteopontin is presumably involved in stone formation as stone matrix. The deduced protein sequence reveals a 317-amino acid protein(34,982 Da) containing a 16-amino acid hydrophobic signal sequence and a 33,352-Da protein destines to undergo extensive post-translational modifications before being secreted from the cell. The gene is located on human chromosome 4. The standard product used in this kit is recombinant human OPN, consisting of 17-314 amino acid sequence with the molecular mass of 32.9KDa. As a result of glycosylation, the molecular mass is 60-65KDa. Gene Name: SPP1
Production: Natural and recombinant human OPN. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E22-L401

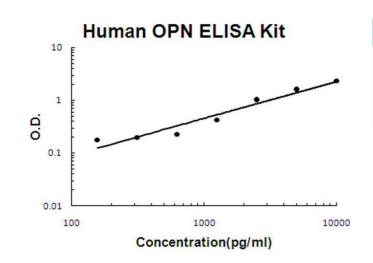
Target Details

Target:	Osteopontin (SPP1)				
Alternative Name:	OPN (SPP1 Products)				
Gene ID:	6696				
NCBI Accession:	NP_000573				
UniProt:	P10451				
Pathways:	Regulation of Cell Size				
Application Details					
Application Notes:	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 OPN 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), saliva or				
	urine to each empty well. It is recommended that each human OPN standard solution and each				
	sample be measured in duplicate.				
	Blood Product Anticoagulant: Heparin Sodium				
	ELISA Dilution: 156pg/mL-10000pg/mL				
Sample Volume:	100 µL				

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Application Details	
Plate:	Pre-coated
Restrictions:	For Research Use only
Handling	
Storage:	RT,4 °C,-20 °C

Images



ELISA

Image 1. Huma	n OPN	Accusignal	ELISA Kit Hu	ıman OPN			
AccuSignal	ELISA	Kit	standard	curve.			
Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.							