

Human OPN ELISA Kit | OPN elisa kit

Human OPN (Osteopontin) ELISA Kit

CATALOG #
AAA165596

REACTIVITY
Human

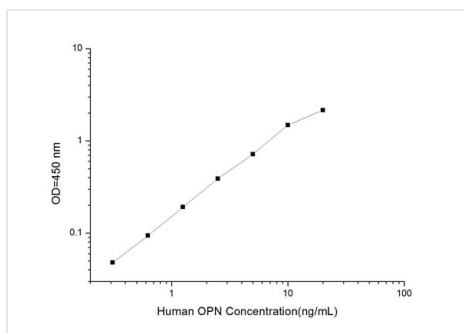
PRODUCT SYNONYMS

OPN; Human OPN (Osteopontin) ELISA Kit; OPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human OPN. No significant cross-reactivity or interference between Human OPN and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human OPN and all the analogues, therefore, cross reaction may still exist.
Sequence Length	314
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPN elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of OPN in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human OPN. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human OPN and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human OPN, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human OPN. You can calculate the concentration of Human OPN in the samples by comparing the OD of the samples to the standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	91206462
NCBI GeneID	6696
NCBI Accession #	NP_001035147.1
NCBI GenBank Nucleotide #	NM_001040058.1
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
Molecular Weight	33,843 Da
NCBI Official Full Name	osteopontin isoform OPN-a
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
NCBI Protein Information	osteopontin; SPP1/CALPHA1 fusion; early T-lymphocyte activation 1; nephropontin; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1); urinary stone protein; uropontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.