

Goat Osteopontin ELISA Kit | OPN elisa kit

Goat Osteopontin ELISA Kit

CATALOG #
AAA93360

REACTIVITY
Goat

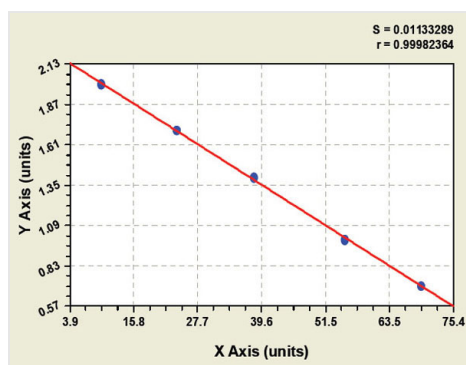
PRODUCT SYNONYMS

Osteopontin; Goat Osteopontin ELISA Kit; OPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPN elisa kit

Intended Uses: This OPN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat OPN. This ELISA kit for research use only!

Principle of the Assay: OPN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OPN antibody and an OPN-HRP conjugate. The assay sample and buffer are incubated together with OPN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OPN concentration since OPN from samples and OPN-HRP conjugate compete for the anti-OPN antibody binding site. Since the number of sites is limited, as more sites are occupied by OPN from the sample, fewer sites are left to bind OPN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPN concentration in each sample is interpolated from this standard curve.

Product Categories/Family for OPN elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	189405
NCBI GeneID	6696
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q8NBK2; Q96IZ1; B2RDA1; Q3LGB0; Q567T5
Molecular Weight	35,423 Da
NCBI Official Full Name	osteopontin
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; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/opn-goat-elisa-kits/osteopontin/93360>