

Mouse OPN (Osteopontin) ELISA Kit | OPN elisa kit

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CATALOG #
AAA278031

REACTIVITY
Mouse

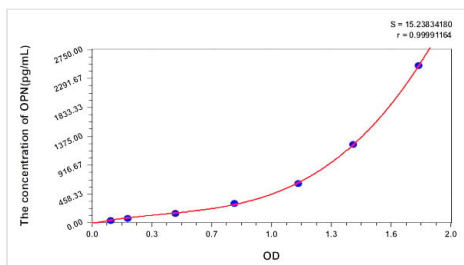
PRODUCT SYNONYMS

OPN (Osteopontin); Mouse OPN (Osteopontin) ELISA Kit; SPP1; BNSP; BSPI; ETA1; Secreted Phosphoprotein 1; Bone Sialoprotein I; Early T-Lymphocyte Activation 1; Nephropontin; Urinary stone protein; Uropontin; OPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.13-200ng/mL
Sensitivity	1.33ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPN elisa kit

Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse OPN. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse OPN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mouse OPN, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Mouse OPN in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for OPN elisa kit

[Tumor immunity](#); [Bone metabolism](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	129261
NCBI GeneID	20750

UniProt Accession #	P10923 ; P19008 ; Q91VH4
Molecular Weight	32,459 Da
NCBI Official Full Name	Osteopontin
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	Spp1
NCBI Official Synonym Symbols	OP; 2AR; Bsp; Eta; Opn; Ric; BNSP; BSPI; Opnl; Apl-1; ETA-1; Spp-1
NCBI Protein Information	osteopontin; minopontin; bone sialoprotein 1; osteopontin-like protein; 44 kDa bone phosphoprotein; early T-lymphocyte activation 1 protein; calcium oxalate crystal growth inhibitor protein
UniProt Protein Name	Osteopontin
UniProt Gene Name	Spp1
UniProt Synonym Gene Names	Eta-1; Op; Spp-1; SPP-1
UniProt Entry Name	OSTP_MOUSE

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/mouse-elisa-kits/opn-osteopontin/278031>