

Cattle OPN (Osteopontin) ELISA Kit | OPN elisa kit

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CATALOG #
AAA278606

REACTIVITY
Cattle

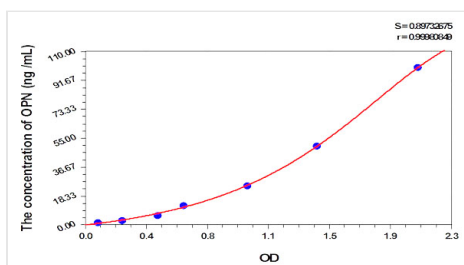
PRODUCT SYNONYMS

OPN (Osteopontin); Cattle OPN (Osteopontin) ELISA Kit; SPP1; BNSP; BSP1; ETA1; Secreted Phosphoprotein 1; Bone Sialoprotein I; Early T-Lymphocyte Activation 1; Nephropontin; Urinary stone protein; Uropontin; OPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cattle
Assay Type	Sandwich
Samples	serum, plasma, tissue homogenates and other biological fluids
Detection Range	3.13-200ng/mL
Sensitivity	1.14ng/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 Cattle OPN. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle 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 Cattle 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 Cattle 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 #	27806401
NCBI GeneID	281499

NCBI Accession #	NP_776612.1
NCBI GenBank Nucleotide #	NM_174187.2
UniProt Accession #	P31096 ; Q56NM9 ; Q8SPS6 ; P31098
Molecular Weight	30,904 Da
NCBI Official Full Name	osteopontin
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; OST
NCBI Protein Information	osteopontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	OPN; SPP-1

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/cat-cattle-elisa-kits/opn-osteopontin/278606>