

Rat Osteopontin ELISA Kit | SPP1 elisa kit

Rat Osteopontin (OPN) ELISA Kit

CATALOG # AAA55880	REACTIVITY Rat
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PRODUCT SYNONYMS

Osteopontin; Rat Osteopontin (OPN) ELISA Kit; BNSP; BSPI; ETA-1; MGC110940; OPN; SPP1/CALPHA1 fusion|bone sialoprotein |early T-lymphocyte activation 1|osteopontin|osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein|s; SPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat SPP1. No significant cross-reactivity or interference between Rat SPP1 and analogues was observed.
Sequence Length	300
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for SPP1 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate SPP1 in samples. An antibody specific for SPP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySPP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SPP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SPP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126723455
NCBI GeneID	100008982
NCBI Accession #	NP_001075663.1
NCBI GenBank Nucleotide #	NM_001082194.1
UniProt Accession #	P31097 ; P46631

Molecular Weight	35,172 Da
NCBI Official Full Name	osteopontin
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN
NCBI Protein Information	osteopontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	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.

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Online datasheet: <https://www.aaabiotech.com/spp1-rat-elisa-kits/osteopontin/55880>