

Bovine Osteonectin ELISA Kit | ON elisa kit

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CATALOG #
AAA88781

REACTIVITY
Bovine

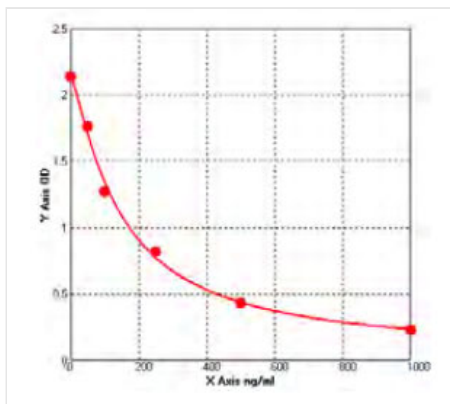
PRODUCT SYNONYMS

Osteonectin; Bovine Osteonectin ELISA Kit; ON elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of ON. No significant cross-reactivity or interference between ON and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ON and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ON elisa kit	Principle of the Assay: ON ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ON antibody and an ON-HRP conjugate. The assay sample and buffer are incubated together with ON-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 ON concentration since ON from samples and ON-HRP conjugate compete for the anti-ON antibody binding site. Since the number of sites is limited, as more sites are occupied by ON from the sample, fewer sites are left to bind ON-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ON concentration in each sample is interpolated from this standard curve. Intended Uses: This ON ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ON. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ON elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	338325
NCBI GeneID	6678
Molecular Weight	34,632 Da
NCBI Official Full Name	osteonectin
NCBI Official Synonym Full Names	secreted protein, acidic, cysteine-rich (osteonectin)
NCBI Official Symbol	SPARC
NCBI Official Synonym Symbols	ON
NCBI Protein Information	SPARC; BM-40; onectin; cysteine-rich protein; basement-membrane protein 40; secreted protein acidic and rich in cysteine
UniProt Protein Name	SPARC
UniProt Gene Name	SPARC
UniProt Synonym Gene Names	ON; BM-40; ON
UniProt Entry Name	SPRC_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.

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Online datasheet: <https://stage.aaabiotech.com/on-bovine-ovine-elisa-kits/osteonectin/88781>