

Rabbit Bone Sialoprotein ELISA Kit | BSP elisa kit

Rabbit Bone Sialoprotein ELISA Kit

CATALOG #
AAA82653

REACTIVITY
Rabbit

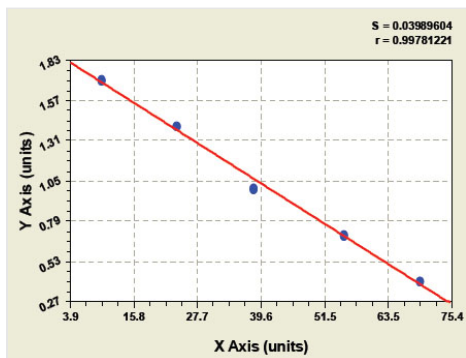
PRODUCT SYNONYMS

Bone Sialoprotein; Rabbit Bone Sialoprotein ELISA Kit; BSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.65-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSP elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This BSP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit BSP. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY BSP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BSP antibody and an BSP-HRP conjugate. The assay sample and buffer are incubated together with BSP-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 BSP concentration since BSP from samples and BSP-HRP conjugate compete for the anti-BSP antibody binding site. Since the number of sites is limited, as more sites are occupied by BSP from the sample, fewer sites are left to bind BSP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BSP concentration in each sample is interpolated from this standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	292494
NCBI GeneID	3381
Molecular Weight	35,148 Da
NCBI Official Full Name	bone sialoprotein
NCBI Official Synonym Full Names	integrin-binding sialoprotein
NCBI Official Symbol	IBSP
NCBI Official Synonym Symbols	BSP; BNSP; SP-II; BSP-II
NCBI Protein Information	bone sialoprotein 2; BSP II; bone sialoprotein II; cell-binding sialoprotein
UniProt Protein Name	Bone sialoprotein 2
UniProt Gene Name	IBSP
UniProt Synonym Gene Names	BNSP; BSP II
UniProt Entry Name	SIAL_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.