

Guinea Pig Bone Sialoprotein ELISA Kit | BSP elisa kit

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CATALOG #
AAA87592

REACTIVITY
Guinea Pig

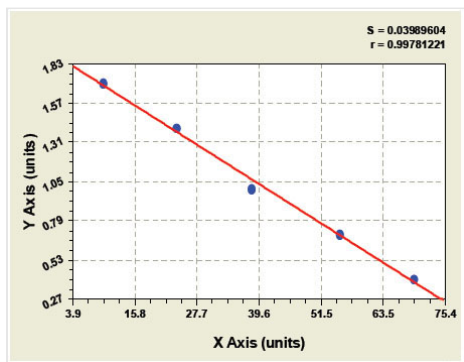
PRODUCT SYNONYMS

Bone Sialoprotein; Guinea pig Bone Sialoprotein ELISA Kit; BSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
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 Uses: This BSP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig 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.
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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.