

Rat Bone Sialoprotein ELISA Kit | BSP elisa kit

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CATALOG #
AAA83365

REACTIVITY
Rat

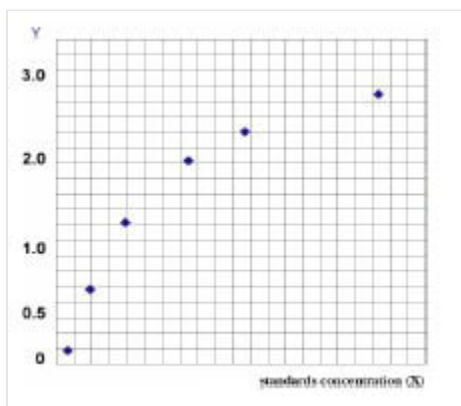
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	Intended Uses: This BSP ELISA kit is intended Laboratory for research use only.The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of BSP in the sample, this BSP ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus BSP concentration. The concentration of BSP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This BSP enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for BSP. Standards or samples are then added to the microtiter plate wells and BSP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BSP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BSP are added to each well to "sandwich" the BSP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period.Only those wells that contain BSP and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
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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.