

Rat Heparin binding protein ELISA Kit | AZU/HBP elisa kit

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CATALOG #
AAA88574

REACTIVITY
Rat

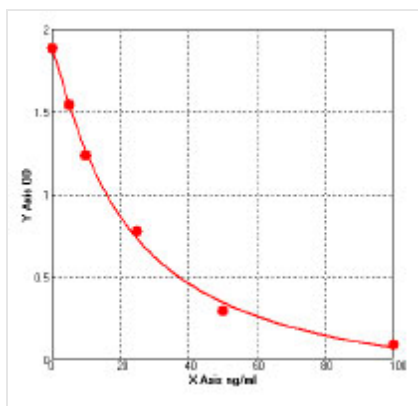
PRODUCT SYNONYMS

Heparin binding protein; Rat Heparin binding protein ELISA Kit; AZU/HBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HBP. No significant cross-reactivity or interference between HBP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HBP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 AZU/HBP elisa kit	Intended Uses: This HBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HBP. This ELISA kit for research use only! Principle of the Assay: HBP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HBP antibody and an HBP-HRP conjugate. The assay sample and buffer are incubated together with HBP-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 HBP concentration since HBP from samples and HBP-HRP conjugate compete for the anti-HBP antibody binding site. Since the number of sites is limited, as more sites are occupied by HBP from the sample, fewer sites are left to bind HBP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HBP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	183951
Molecular Weight	26,264 Da
NCBI Official Full Name	heparin binding protein
UniProt Protein Name	Fibroblast growth factor-binding protein 1
UniProt Gene Name	FGFBP1
UniProt Synonym Gene Names	FGFBP; HBP17; FGF-BP; FGF-BP1; FGF-binding protein 1; FGFBP-1; 17 kDa HBGF-binding protein; HBp17
UniProt Entry Name	FGFP1_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.