

Rat Anti-immunobulin Binding Protein antibody ELISA Kit | BIP.Ab elisa kit

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CATALOG #
AAA85574

REACTIVITY
Rat

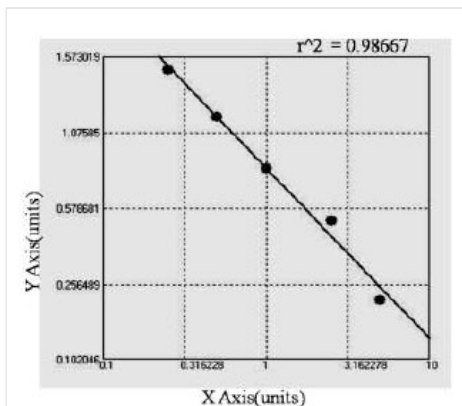
PRODUCT SYNONYMS

Anti-immunobulin Binding Protein antibody; Rat Anti-immunobulin Binding Protein antibody ELISA Kit; BIP.Ab elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BIP-Ab. No significant cross-reactivity or interference between BIP-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BIP-Ab 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	0.1ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	1143492
NCBI GeneID	3309
UniProt Accession #	P11021 ; Q2EF78 ; Q9NPF1 ; Q9UK02 ; B0QZ61
Molecular Weight	72,333 Da
NCBI Official Full Name	BiP
NCBI Official Synonym Full Names	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; epididymis secretory sperm binding protein Li 89n; endoplasmic reticulum lumenal Ca(2+)-binding protein grp78
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_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/bip-ab-rat-elisa-kits/anti-immunobulin-binding-protein-antibody/85574>