

Porcine Anti-Immunoglobulin Binding Protein antibody ELISA Kit | BIP elisa kit

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CATALOG #
AAA89335

REACTIVITY
Porcine

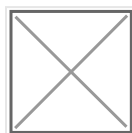
PRODUCT SYNONYMS

Anti-Immunoglobulin Binding Protein antibody; Porcine Anti-Immunoglobulin Binding Protein antibody ELISA Kit; BIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ug/mL.
Intended Uses	This BIP.Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey BIP.Ab. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BIP elisa kit	Principle of the assay: BIP.Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BIP.Ab antibody 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 anti-BIP.Ab antibody 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 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-porcine-elisa-kits/anti-immunoglobulin-binding-protein-antibody/89335>