

Human beta Lactamase inhibitors ELISA Kit | beta LI elisa kit

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CATALOG #
AAA83933

REACTIVITY
Human

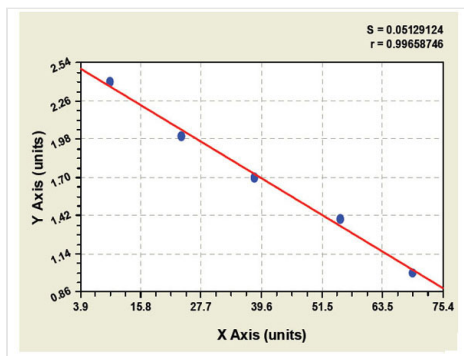
PRODUCT SYNONYMS

beta Lactamase inhibitors; Human beta Lactamase inhibitors ELISA Kit; Human b Lactamase inhibitors ELISA Kit; beta LI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This BLI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BLI. 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 beta LI elisa kit

Principle of the assay: BLI ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BLI antibody and an BLI-HRP conjugate. The assay sample and buffer are incubated together with BLI-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 BLI concentration since BLI from samples and BLI-HRP conjugate compete for the anti-BLI antibody binding site. Since the number of sites is limited, as more sites are occupied by BLI from the sample, fewer sites are left to bind BLI-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BLI concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15600707
NCBI GeneID	877990
NCBI Accession #	NP_254201.1
NCBI GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	beta-lactamase
NCBI Official Symbol	PA5514
NCBI Protein Information	beta-lactamase

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/beta-li-human-elisa-kits/beta-lactamase-inhibitors/83933>