

Guinea Pig Glycogen Synthase Kinase 3 ELISA Kit | GSK-3 elisa kit

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CATALOG #
AAA86842

REACTIVITY
Guinea Pig

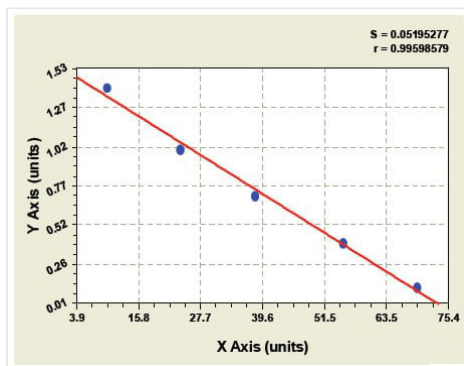
PRODUCT SYNONYMS

Glycogen Synthase Kinase 3; Guinea pig Glycogen Synthase Kinase 3 ELISA Kit; GSK-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GSK-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig GSK-3. 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 GSK-3 elisa kit

Principle of the Assay: GSK-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GSK-3 antibody and an GSK-3-HRP conjugate. The assay sample and buffer are incubated together with GSK-3-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 GSK-3 concentration since GSK-3 from samples and GSK-3-HRP conjugate compete for the anti-GSK-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GSK-3 from the sample, fewer sites are left to bind GSK-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GSK-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5566268
Molecular Weight	40,882 Da
NCBI Official Full Name	GSK-3
UniProt Protein Name	Glycogen synthase kinase-3
UniProt Gene Name	gsk-3
UniProt Synonym Gene Names	sgg-1; Y18D10A.5
UniProt Entry Name	GSK3_CAEEL

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/gsk-3-guinea-pig-pig-elisa-kits/glycogen-synthase-kinase-3/86842>