

Bovine Glucose Oxidase ELISA Kit | GOD elisa kit

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CATALOG #
AAA97006

REACTIVITY
Bovine

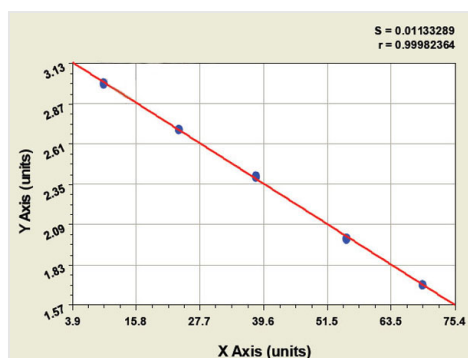
PRODUCT SYNONYMS

Glucose Oxidase; Bovine Glucose Oxidase ELISA Kit; GOD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GOD elisa kit

Intended Uses: This GOD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine GOD. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	58585090
NCBI GeneID	406081
NCBI Accession #	NP_001011574.1
NCBI GenBank Nucleotide #	NM_001011574.1
NCBI Official Full Name	glucose oxidase
NCBI Official Synonym Full Names	glucose oxidase<
NCBI Official Symbol	LOC406081
NCBI Official Synonym Symbols	GB19418
NCBI Protein Information	glucose oxidase

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/god-bovine-ovine-elisa-kits/glucose-oxidase/97006>