

Goat Lactose ELISA Kit | Lac elisa kit

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CATALOG #
AAA245692

REACTIVITY
Goat

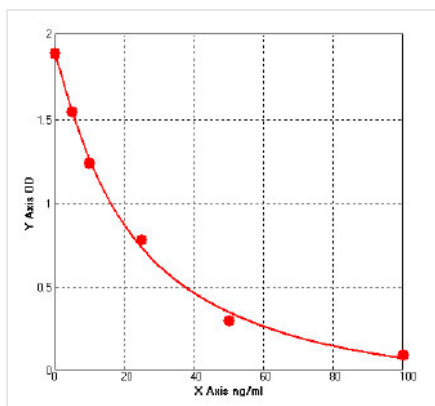
PRODUCT SYNONYMS

Lactose; Goat Lactose ELISA Kit; Lac elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Specificity	This assay has high sensitivity and excellent specificity for detection of Lactose. No significant cross-reactivity or interference between Lactose and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Lactose and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	265681694
Molecular Weight	7,372 Da
NCBI Official Full Name	lactose, partial
UniProt Protein Name	Lactose
UniProt Gene Name	LAC
UniProt Entry Name	D1L263_BALBN

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/lac-goat-elisa-kits/lactose/245692>