

Lactase Assay Kit

Lactase Activity Assay Kit

CATALOG #
AAA177790

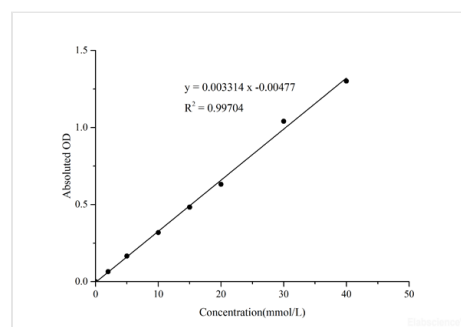
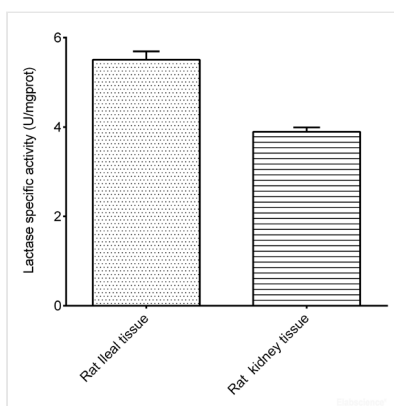
PRODUCT SYNONYMS

Lactase; Lactase Activity Assay Kit; Lactase assay kit

PRODUCT SPECIFICATIONS

Samples	Animal tissue samples
Detection Range	12.5-2000 U/mL
Sensitivity	3.94 U/mL
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Related Product Information for Lactase assay kit

Intended Uses: This kit can measure lactase activity in animal tissue samples.

Principle of the Assay: Lactase decomposes lactose to produce glucose. Under the action of enzyme, glucose produces hydrogen peroxide. In the presence of chromogenic oxygen receptors, peroxidase catalyzes hydrogen peroxide to produce colored substances. Lactase activity can be calculated by measuring the OD value at 505 nm.

Background/Introduction: Lactase is a glycoprotein with two active sites, which can catalyze the hydrolysis of various beta-glycosidic bonds. It can catalyze the decomposition of lactose into glucose and galactose. Lactase plays a vital role in the nutrition of newborns in humans and other mammals, because this enzyme is the only small intestinal brush border hydrolase responsible for digesting lactose. Low levels of lactase and inability to digest lactose may cause lactose intolerance.

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.