

Alanine Aminotransferase (ALT/GPT) Assay Kit | ALT/GPT assay kit

Alanine Aminotransferase (ALT/GPT) Activity Fluorometric Assay Kit

CATALOG #
AAA177774

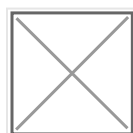
PRODUCT SYNONYMS

Alanine Aminotransferase (ALT/GPT); Alanine Aminotransferase (ALT/GPT) Activity Fluorometric Assay Kit; ALT/GPT assay kit

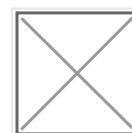
PRODUCT SPECIFICATIONS

Samples	Serum (plasma) and other liquid samples
Detection Range	0.01-0.83 U/L
Sensitivity	0.01 U/L
Preparation and Storage	Store at -20 degree C. Valid for 12 months

IMAGES



Application Data



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALT/GPT assay kit

Intended Uses: This kit can be used to measure alanine aminotransferase (ALT/GPT) activity in animal tissue, serum (plasma) and other liquid samples.

Principle of the Assay: ALT catalyze the amino conversion reaction between alanine and alpha -ketoglutaric acid to produce pyruvic acid and glutamic acid. Under the action of pyruvate oxidase, pyruvic acid generates H₂O₂, which reacts with the non-fluorescent substance to form fluorescent substance under the action of peroxidase. The activity of ALT can be calculated by measuring the increase of fluorescence value at the excitation wavelength of 535 nm and the emission wavelength of 587 nm.

Background/Introduction: Alanine aminotransferase (ALT) is widely found in plasma and various tissues of the body, including liver, kidney, heart and skeletal muscle. ALT is an important pyridoxal phosphate dependent enzyme in the intermediate metabolism of glucose and protein. Clinically, the activity of serum alanine aminotransferase is often used as a marker for alcoholic liver disease, liver cirrhosis and acute viral hepatitis.

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/assay-kits/alanine-aminotransferase-alt-gpt/177774>