GPT Antibody (monoclonal) (M04)
Mouse monoclonal antibody raised against a full length recombinant GPT.
Catalog # AT2255a

Specification

GPT Antibody (monoclonal) (M04) - Product Information

Application
Primary Accession
Other Accession
Reactivity
Host
Clonality
Isotype
Clone Names
Calculated MW

GPT Antibody (monoclonal) (M04) - Additional Information

Gene ID 2875

Other Names
Alanine aminotransferase 1, ALT1, Glutamate pyruvate transaminase 1, GPT 1, Glutamic–alanine transaminase 1, Glutamic–pyruvic transaminase 1, GPT, AAT1, GPT1

Target/Specificity
GPT (AAH18207.1, 1 a.a. ~ 496 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
GPT Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

GPT Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

Detection limit for recombinant GST tagged GPT is approximately 3ng/ml as a capture antibody.

GPT Antibody (monoclonal) (M04) - Background

This gene encodes cytosolic alanine aminotransaminase 1 (ALT1); also known as glutamate-pyruvate transaminase 1. This enzyme catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate and, therefore, plays a key role in the intermediary metabolism of glucose and amino acids. Serum activity levels of this enzyme are routinely used as a biomarker of liver injury caused by drug toxicity, infection, alcohol, and steatosis. A related gene on chromosome 16 encodes a putative mitochondrial alanine aminotransaminase.

GPT Antibody (monoclonal) (M04) - References

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture