For Research Use Only

CoraLite® Plus 488-conjugated GPT/ALT1 Monoclonal antibody

Catalog Number:CL488-67531

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-67531

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG10453

GenBank Accession Number:
BC018207

GeneID (NCBI):
2875

UNIPROT ID:
P24298

Full Name:
glutamic-pyruvate transaminase (alanine aminotransferase)

Calculated MW:
496 aa, 55 kDa

Observed MW:
52 kDa

Purification Method:
Protein G purification

CloneNo.:
5F6B5

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
Human, Pig

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

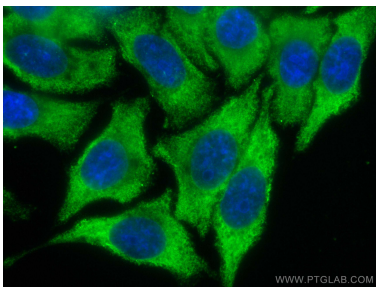
GPT, also known as ALT1 (glutamate-pyruvate transaminase 1), catalyzes the reversible transamination between alanine and 2-oxoglutarate to generate pyruvate and glutamate and, therefore, plays a key role in the intermediary metabolism of glucose and amino acids. Serum activity levels of this enzyme are 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.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 GPT/ALT1 antibody (CL488-67531, Clone: 5F6B5) at dilution of 1:200.