

CoraLite® Plus 488-conjugated GOT1 Monoclonal antibody

Catalog Number: **CL488-60317**

Basic Information

Catalog Number: CL488-60317	GenBank Accession Number: BC000498	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 2805	CloneNo.: 5A12E10
Source: Mouse	UNIPROT ID: P17174	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7012	Calculated MW: 46 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HepG2 cells,
Species Specificity: human	

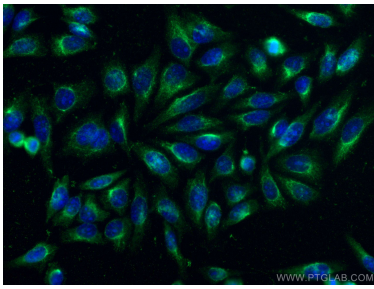
Background Information

Glutamate oxaloacetate transaminase 1 (GOT1) catalyzes the reversible reaction of L-aspartate and alpha-ketoglutarate into oxaloacetate and L-glutamate and plays a key role in carbon and nitrogen metabolism. GOT1 can potentially control the intracellular levels of reactive oxygen species (ROS) through NADPH synthesis and enhances tumor growth. GOT1 expression correlates with the growth of several tumors.

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 GOT1 antibody (CL488-60317, Clone: 5A12E10) at dilution of 1:200.