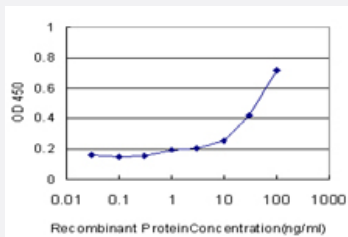


GPT monoclonal antibody (M04), clone M1

Catalog # H00002875-M04

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GPT.
Immunogen	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.
Sequence	MASSTGDRSQAVRHGLRAKVLTDGMNPRVRRVEYAVRGPIVQRALELEQELRQGVKKPFTEVIRANIGDAQAMGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGILQIREDVARYIERRDGGIPADPNVFLSTGASDAITVLKLLVAGEGHTRTGVLIPQYPLYSATLAELGAVQVDYYLDEERAWALDVAELHREALGQARDHCRPRALCVINPGNPTGQVQTRECIQAVIRFAFEERLFLLADEVYQDNVYAAGSQFHSFKKVLMMGPPYAGQQELASFHSTSKGYMGECGFRGGYVEVVNMDAAVQQQMLKLMSVRLCPPVPGQALLDLVVSPAPTDPSPFAQFQAEKQAVLAELAAKAKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLAPDMFFCLRLLEETGICVVPGSGFGQREGTYHFRMTILPPEKLRLLLEELSRFHAKFTLEYS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

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

Applications

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — GPT

Entrez GeneID [2875](#)

GeneBank Accession# [BC018207](#)

Protein Accession# [AAH18207.1](#)

Gene Name GPT

Gene Alias AAT1, ALT1, GPT1

Gene Description glutamic-pyruvate transaminase (alanine aminotransferase)

Omim ID [138200](#)

Gene Ontology [Hyperlink](#)

Gene Summary Glutamate-pyruvate transaminase (EC 2.6.1.2), also known as alanine aminotransferase, catalyze s the reversible conversion of L-alanine and alpha-ketoglutarate to L-glutamate and pyruvate. It ha s 2 distinct molecular and genetic forms: one cytoplasmic (soluble) (GPT1) and one mitochondrial (GPT2; MIM 138210). See ALTQTL1 (MIM 612363) and ALTQTL2 (MIM 612364) for information on quantitative trait loci influencing the plasma level of alanine aminotransferase.[supplied by OMI M

Other Designations alanine aminotransferase

Pathway

- [Alanine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)

- [Carbon fixation in photosynthetic organisms](#)
- [Metabolic pathways](#)