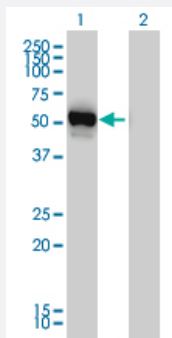


GPT monoclonal antibody (M03), clone 4E2

Catalog # H00002875-M03

Size 100 ug

Applications

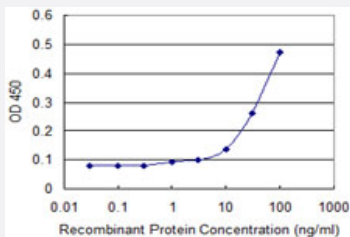


Western Blot (Transfected lysate)

Western Blot analysis of GPT expression in transfected 293T cell line by GPT monoclonal antibody (M03), clone 4E2.

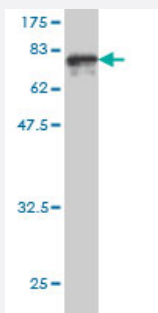
Lane 1: GPT transfected lysate (55 kDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FLJ23834 is approximately 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (80.3 kDa).

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	MASSTGDRSQAVRHGLRAKVLTLTGMPNPRVRRVEYAVRGPIVQRALELEQELRQGVKKPFTEVI RANIGDAQAMGQRPITFLRQVLALCVNPDLLSSPNFPDDAKKRAERILQACGGHSLGAYSVSSGI QLIREDVARYIERRDGGIPADPNNVFLSTGASDAIVTLKLLVAGEGHTRTGVLIPQYPLYSATLAE LGAVQVDYYLDEERAWALDVAELHRLGQARDHCRPRALCVINPGNPTGQVQTRECIEAVIRFAF EERLFLLADEVYQDNVYAAGSQFHSFKKVLMMGPPYAGQQELASFHSTSKGYMGECGFRGGY VEVVNMDAAVQQQMLKLMSVRLCPPVPGQALLDLVVSPAPTDPSTFAQFQAEKQAVLAELA AKLTEQVFNEAPGISCNPVQGAMYSFPRVQLPPRAVERAQELGLAPDMFFCLRLLEETGICVVP SGFGQREGTYHFRMTILPPEKLRLLLEELSRFHAKFTLEYS
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (80.3 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GPT expression in transfected 293T cell line by GPT monoclonal antibody (M03), clone 4E2.

Lane 1: GPT transfected lysate(55 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FLJ23834 is approximately 1ng/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](#)