

GOT1/AST (Aspartate Aminotransferase) Polyclonal Antibody(Capture/Detector)

catalog number: AN000100P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

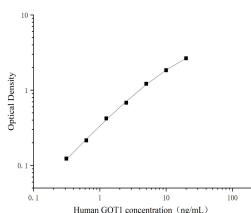
Description

Reactivity	Human
Immunogen	Recombinant Human GOT1/AST (Aspartate Aminotransferase) protein expressed by E.coli
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human GOT1/AST (Aspartate Aminotransferase) protein standard curve. Background subtracted standard curve using GOT1/AST (Aspartate Aminotransferase) antibody(AN000100P)(Capture), GOT1/AST (Aspartate Aminotransferase) antibody(AN000100P)(Detector) in sandwich ELISA. The reference range value for Recombinant Human GOT1/AST (Aspartate Aminotransferase) protein is 0.3125-20 ng/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

GOT1 (Glutamic-Oxaloacetic Transaminase 1) is a Protein Coding gene. GOT1 belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family. Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme that exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. GOT1 is an important regulator of levels of glutamate, the major excitatory neurotransmitter of the vertebrate central nervous system. GOT1 is broadly expressed in the heart, liver, and other tissues. Diseases associated with GOT1 include Aspartate Aminotransferase, Serum level Of, Quantitative Trait locus 1, and Lujo Hemorrhagic Fever.