

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

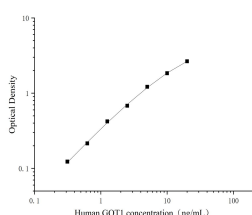
catalog number: AN000100P

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

| Description         |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human                                                                               |
| <b>Immunogen</b>    | Recombinant Human GOT1/AST (Aspartate Aminotransferase) protein expressed by E.coli |
| <b>Host</b>         | Rabbit                                                                              |
| <b>Isotype</b>      | Rabbit IgG                                                                          |
| <b>Purification</b> | Antigen Affinity Purification                                                       |
| <b>Conjugation</b>  | Unconjugated                                                                        |
| <b>Buffer</b>       | Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.                  |

| Applications          | Recommended Dilution |
|-----------------------|----------------------|
| <b>ELISA Capture</b>  | 2-8 µg/mL            |
| <b>ELISA Detector</b> | 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 |                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.       |
| <b>Shipping</b>       | 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 Juvenile Hemorrhagic Fever.