

## Rat Aspartate aminotransferase, cytoplasmic ELISA Kit | Got1 elisa kit

Rat Aspartate aminotransferase, cytoplasmic ELISA Kit

CATALOG #  
**AAA193288**

REACTIVITY  
**Rat**

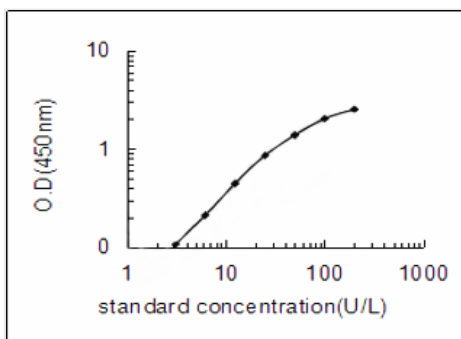
### PRODUCT SYNONYMS

Aspartate aminotransferase; cytoplasmic; Rat Aspartate aminotransferase; cytoplasmic ELISA Kit; Glutamate oxaloacetate transaminase 1; Transaminase A; Got1; cAspAT; 2.6.1.1; cCAT; Got1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                      |
| Specificity             | This assay recognizes recombinant and natural rat Aspartate aminotransferase, cytoplasmic. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 413                                                                                                                                                      |
| Assay Type              | Sandwich                                                                                                                                                 |
| Detection Range         | 3.12-200 U/L                                                                                                                                             |
| Sensitivity             | 1.63 U/L                                                                                                                                                 |
| Intra-Assay CV          | <=5.2%                                                                                                                                                   |
| Inter-Assay CV          | <=8.2%                                                                                                                                                   |
| Recovery                | 98%                                                                                                                                                      |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Got1 elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Aspartate aminotransferase, cytoplasmic concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aspartate aminotransferase, cytoplasmic. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Aspartate aminotransferase, cytoplasmic and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Aspartate aminotransferase, cytoplasmic, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Aspartate aminotransferase, cytoplasmic in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 401461792                                    |
| NCBI GeneID                      | 24401                                        |
| NCBI Accession #                 | NP_036703.2                                  |
| NCBI GenBank Nucleotide #        | NM_012571.2                                  |
| UniProt Accession #              | P13221; Q64570; Q6P721                       |
| Molecular Weight                 | 46,429 Da                                    |
| NCBI Official Full Name          | aspartate aminotransferase, cytoplasmic      |
| NCBI Official Synonym Full Names | glutamic-oxaloacetic transaminase 1, soluble |
| NCBI Official Symbol             | Got1                                         |
| NCBI Official Synonym Symbols    | ASAT; cCAT; Aspat; Gaspat; cAspAT            |
| NCBI Protein Information         | aspartate aminotransferase, cytoplasmic      |
| UniProt Protein Name             | Aspartate aminotransferase, cytoplasmic      |
| UniProt Gene Name                | Got1                                         |
| UniProt Synonym Gene Names       | cAspAT; cCAT                                 |
| UniProt Entry Name               | AATC_RAT                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.