

Aspartate Aminotransferase (AST, GOT), Human Liver

CATALOG NO:	P1299-100	1 units
ALTERNATE NAMES:	Aspartate Transaminase, Glutamate Oxaloacetate, AST, GOT, sGOT, AspAT, ASAT, serum glutamic oxaloacetic transaminase, AAT	
SOURCE:	Human Liver	
PURITY:	Purified	
MOL. WEIGHT:	~92 kDa	
FORM:	Lyophilized	
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	≥ 1 U/mg (Dimension® Clinical Chemistry System)	
UNIT DEFINITION:	One unit will catalyze the transamination of one micromole of L-aspartate to alpha-ketoglutarate forming L-glutamate and oxaloacetate per minute at 37°C and pH 7.8. Measured at 340 nm as one equimolar amount of NAD produced by a coupled reaction.	
RECONSTITUTION:	> 1 mg/mL in tris buffered saline, 1% BSA, pH 8.0.	
DESCRIPTION:	AST/SGOT is found in many tissues throughout the body, including the liver, heart, muscles, kidney, and brain. If any of these organs or tissues is affected by disease or injury, AST is released into the bloodstream. This means that AST isn't as specific an indicator of liver damage as ALT (also known as alanine aminotransferase, another type of enzyme found almost entirely in the liver). The ratio of AST and ALT levels are commonly used as biomarkers for liver health.	

RELATED PRODUCTS:

- Aspartate Aminotransferase (AST) (Mouse) ELISA Kit (**Cat. No. E4320**)
- Aspartate Aminotransferase (AST) (Human) ELISA Kit (**Cat. No. E4319**)
- Aspartate Aminotransferase (AST) (Rat) ELISA Kit (**Cat. No. E4321**)
- Aspartate Aminotransferase (AST or SGOT) Activity Colorimetric Assay Kit (**Cat. No. K753**)
- Anti-GOT2 Antibody (**cat. No. A1273**)
- Anti-GOT1 Antibody (**Cat. No. A1272**)
- GOT2, human recombinant (**Cat. No. 7809**)
- GOT1, human recombinant (**Cat. No. 7808**)

FOR RESEARCH USE ONLY! Not to be used on humans.