

Human GOT1 Antibody Pair Set

Catalog No.	E-KAB-0442	Applications	ELISA
Synonyms	AAT;ASAT;AspAT;GOT1;SGOT;serum glutamic oxaloacetic transaminase		

Kit components & Storage

Title	Specifications	Storage
Human GOT1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human GOT1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

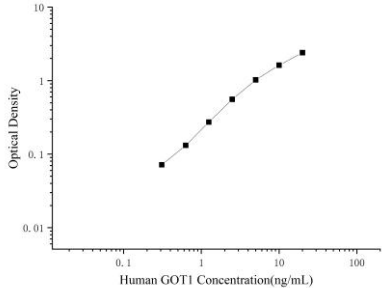
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0442)	
		Human GOT1 Capture Antibody	Human GOT1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human GOT1 protien	Recombinant Human GOT1 protien
	Swissprot	P17174	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Human GOT1 in ELISAs.	

Applications

Human GOT1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4 µg/mL	Human GOT1 Capture Antibody	 <table border="1"> <caption>Standard Curve Data (Approximate)</caption> <thead> <tr> <th>Human GOT1 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.05</td> </tr> <tr> <td>0.2</td> <td>0.1</td> </tr> <tr> <td>0.5</td> <td>0.2</td> </tr> <tr> <td>1</td> <td>0.4</td> </tr> <tr> <td>2</td> <td>0.7</td> </tr> <tr> <td>5</td> <td>1.2</td> </tr> <tr> <td>10</td> <td>1.8</td> </tr> <tr> <td>20</td> <td>2.5</td> </tr> </tbody> </table>	Human GOT1 Concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.7	5	1.2	10	1.8	20	2.5
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ELISA Detection	1:1000-1:10000	Human GOT1 Detection Antibody (Biotin)																			

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Glutamic-oxaloacetic transaminase is a pyridoxal phosphate-dependent enzyme which 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.