

Human AMY1 Antibody Pair Set

Catalog No. E-KAB-0502

Applications

ELISA

Synonyms AMY1A

Kit components & Storage

Title	Specifications	Storage
Human AMY1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human AMY1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

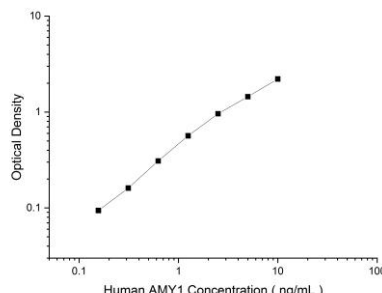
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0502)	
		Human AMY1 Capture Antibody	Human AMY1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human AMY1 protien	Recombinant Human AMY1 protien
	Swissprot	P04745	
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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human AMY1 in ELISAs.	

Applications

Human AMY1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human AMY1 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human AMY1 Concentration (ng/mL)' and ranges from 0.1 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human AMY1 and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human AMY1 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>0.1</td></tr> <tr><td>0.2</td><td>0.2</td></tr> <tr><td>0.5</td><td>0.5</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>10</td><td>10</td></tr> </tbody> </table>	Human AMY1 Concentration (ng/mL)	Optical Density	0.1	0.1	0.2	0.2	0.5	0.5	1	1	2	2	5	5	10	10
Human AMY1 Concentration (ng/mL)	Optical Density																		
0.1	0.1																		
0.2	0.2																		
0.5	0.5																		
1	1																		
2	2																		
5	5																		
10	10																		
ELISA Detection	1:1000-1:10000	Human AMY1 Detection Antibody (Biotin)																	

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

Background

Amylases are secreted proteins that hydrolyze 1;4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. Alternative splicing results in multiple transcript variants encoding the same protein.