

Mouse SAA Antibody Pair Set

Catalog No.	E-KAB-0716	Applications	ELISA
Synonyms	SAA1;PIG4;SAA;TP53I4;Serum amyloid A1		

Kit components & Storage

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

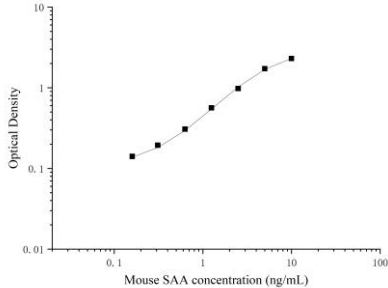
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0716)	
		Mouse SAA Capture Antibody	Mouse SAA Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse SAA protein	Recombinant Mouse SAA protein
	Swissprot	P05366	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Affinity purification
	Specificity	Detects Mouse SAA in ELISAs.	

Applications

Mouse SAA Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4ug/mL	Mouse SAA Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse SAA concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between SAA concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse SAA concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>0.15</td></tr> <tr><td>0.2</td><td>0.25</td></tr> <tr><td>0.5</td><td>0.5</td></tr> <tr><td>1</td><td>1.0</td></tr> <tr><td>2</td><td>2.0</td></tr> <tr><td>5</td><td>5.0</td></tr> <tr><td>10</td><td>10.0</td></tr> </tbody> </table>	Mouse SAA concentration (ng/mL)	Optical Density	0.1	0.15	0.2	0.25	0.5	0.5	1	1.0	2	2.0	5	5.0	10	10.0
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ELISA Detection	1:1000-1:10000	Mouse SAA Detection Antibody (Biotin)																	

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

Background

Serum amyloid A proteins (SAAs) are a family of homologous apolipoproteins of high density lipoprotein (HDL). They can be divided into two groups. The first group consists of the acute phase SAA1 and SAA2 that associate with HDL during inflammation and remodel the HDL particle by displacing apolipoprotein A1. The second group consists of constitutively expressed SAA4 and SAA5 that exist as minor apolipoproteins on HDL but make up more than 90% of the total SAA during homeostasis.