

## FGA, FGB, FGG

### Mouse Fibrinogen Antigen ELISA Kit

<b>Catalog No.</b>	CSI20057A CSI20057B	<b>Quantity:</b>	1 x 96 tests 5 x 96 tests
<b>Alternate Names:</b>	FGA, FGB, FGG		
<b>Description:</b>	<p>This Mouse Fibrinogen Antigen ELISA assay is intended for the quantitative determination of total Fibrinogen antigen in mouse plasma and serum.</p> <p>Fibrinogen is a soluble glycoprotein that circulates in the blood and is converted to insoluble fibrin by thrombin in the final step of the coagulation cascade. Hepatic expression of Fibrinogen increases two to four hundred fold during the acute phase response to infection or inflammation. Elevated Fibrinogen levels are correlated with cardiovascular disease and atherosclerosis.</p> <p>Mouse Fibrinogen will bind to the affinity purified capture antibody coated on the microtiter plate. After appropriate washing steps, biotin labeled polyclonal anti-mouse Fibrinogen primary antibody binds to the captured protein. Excess antibody is washed away and bound polyclonal antibody is reacted with avidin conjugated to horseradish peroxidase. TMB substrate is used for color development at 450nm. A standard calibration curve is prepared along with the samples to be measured using dilutions of mouse Fibrinogen. Color development is proportional to the concentration of Fibrinogen in the samples.</p>		
<b>Specificity:</b>	Mouse		
<b>Range:</b>	3.125 - 800 ng/ml. Samples giving Mouse Fibrinogen levels above 800 ng/ml should be diluted in Assay Diluent before use.		
<b>Incubation Time:</b>	2 hours		
<b>Samples:</b>	Plasma and Serum		
<b>Sample Size:</b>	100 µl		
<b>Reagents Included:</b>	<ol style="list-style-type: none"><li>1. 96-well microtiter strip plate coated with Fibrinogen capture antibody</li><li>2. Anti Mouse Fibrinogen biotinylated polyclonal primary antibody</li><li>3. Avidin conjugated to HRP secondary reagent</li><li>4. TMB Substrate reagent</li><li>5. Standards</li><li>6. Sample Diluent</li><li>7. Wash Buffer</li><li>8. Stop Solution</li></ol>		
<b>Storage &amp; Stability:</b>	All kit components must be stored at 2-4°C. Store unopened plate and any unused microtiter strips in the pouch with desiccant. Reconstituted standards and primary antibody may be stored at -80°C for later use. <b>DO NOT freeze/thaw the standards and primary antibody more than once.</b> All other unused kit components must be stored at 2-4°C. Kit should be used no later than the expiration date.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.