

SERPINE1

Canine PAI-1 Activity ELISA Kit

Catalog No.	CKD001A CKD001B	Quantity: 1 x 96 tests 5 x 96 tests
Alternate Names:	PAI, PAI-1, PAI1, PLANH1, plasminogen activator inhibitor 1, serpin peptidase inhibitor, clade E, member 1	
Description:	This dog PAI-1 activity assay is intended for the quantitative determination of active plasminogen activator inhibitor type 1 (PAI-1) in dog plasma.. The sensitive quantitative measurement of functionally active dog PAI-1 in plasma samples is easily performed with this 96 well strip format ELISA kit. The assay measures active PAI-1 in the 0.2-100 ng/ml range. Samples giving dog PAI-1 levels above 100 ng/ml should be diluted in blocking buffer before use. Plasma samples should be applied directly to the plate for best results. It is important to ensure a platelet free preparation of plasma as platelets can release PAI-1. Functionally active PAI-1 reacts with urokinase coated onto a micro titer plate. Latent or complexed PAI-1 will not bind to the plate and will not be detected by the assay. After appropriate washing steps, anti-dog PAI-1 primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody is reacted with secondary antibody conjugated to HRP. Following an additional washing step, TMB substrate is used for color development at 450 nm. Color development is proportional to the concentration of dog PAI-1 in the samples. A standard calibration curve is prepared in blocking buffer using dilutions of purified dog PAI-1 and is measured along with the test samples. All reagents and standards are provided in the ELISA kit.	
Gene ID:	403476	
Specificity:	Human total PAI-1	
Range:	0.2 - 100 ng/ml	
Samples:	Plasma	
Sample Size:	100 µl	
Reagents Included:	1. Microtiter plate coated with urokinase, blocked, and dried. 2. Wash Buffer Concentrate (10x) 3. Canine PAI-1 Standard (lyophilized) 4. Anti-Canine PAI-1 Primary pAb 5. HRP-conjugated Anti-Mouse IgG Secondary Antibody 6. TMB Substrate Solution (10 ml)	
Storage & Stability:	All kit components must be stored at 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. DO NOT freeze/thaw the standards and primary antibody more than once. All other unused kit components must be stored at 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.



® **Cell Sciences**®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com