Datasheet for ABIN6200196

D-Dimer ELISA Kit

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Overview

Quantity:	96 tests
Target:	D-Dimer
Reactivity:	Mouse
Method Type:	Competition ELISA
Detection Range:	0.617 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.617 ng/mL
Application:	ELISA

Product Details

Purpose:	The D-Dimer ELISA Kit from Abbexa is able to quantitatively determine the D-Dimer levels in murine plasma samples. The kit offers high sensitivity; it is able to differ between concentration levels of less than < 0.244 ng/mL. Only 0.5 µl of mouse plasma sample is sufficient for D-Dimer level determination. A 100-fold sample dilution is advised, the broad detection range from 0.617 ng/mL to 50 ng/mL will reliable capture the plasma level. Three levels of QC ensure and maintain a high quality production process.
Sample Type:	Plasma
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	< 0.244 ng/mL

Target Details

Target:	D-Dimer
Abstract:	D-Dimer Products
Background:	D-dimers emerge during fibrinolysis as a degradation product of fibrin. The circulating enzyme plasmin cleaves the fibrin gel in a number of places, in order to prevent blood clots from accumulating to a problematic size. However the cross-link between two D fragments remains intact. The structure of D-dimer is either a 180 kDa or 195 kDa molecule of two D domains, or a 340 kDa molecule of two D domains combined with one E domain of the original fibrinogen molecule. In clinical diagnostic the D-dimer concentration is an indicator for thrombosis. D-dimer is relevant to research into thrombosis, with common target including fibrinogen, fibrin degradation product, plasminogen activity.

Application Details

Application Notes:	Stability: The stability of the kit is determined by the rate of activity loss. The loss rate is less than 5 % within the expiration date under appropriate storage conditions. To minimize performance fluctuations, operation procedures and lab conditions should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same user throughout. Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user. Standard Form: Lyophilized
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Upon receipt, store the kit according to the storage instruction in the kit's manual.
Expiry Date:	6 months

Publications

Product cited in:	Cheng, Liu, Ma, Liu, Xin, Jia, Chen, Li, Sun: "Prothrombotic effects of high uric acid in mice via activation of MEF2C-dependent NF-κB pathway by upregulating let-7c." in: **Aging**, Vol. 12, Issue 18, pp. 17976-17989, (2020) (PubMed).

Images

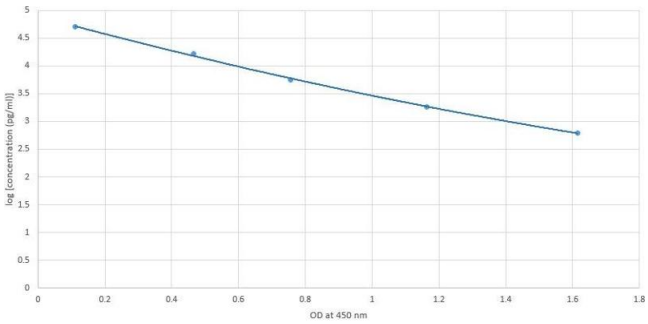

Image 1.

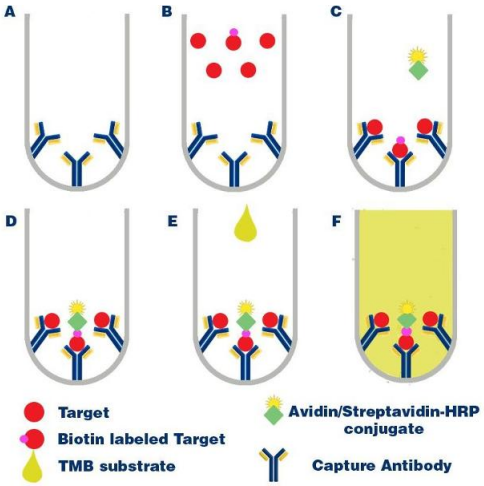

Image 2.