

## ARG81083 Porcine Fibrinogen (total) ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	ARG81083 Porcine Fibrinogen (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Porcine Fibrinogen (total) in plasma and serum.
Tested Reactivity	Pig
Tested Application	ELISA
Target Name	Fibrinogen
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	0.6 ng/ml
Sample Type	Plasma and serum
Standard Range	1.56 - 800 ng/ml
Alternate Names	Fibrinogen alpha chain; Fib2

### Application Instructions

#### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol	FGA
Gene Full Name	fibrinogen alpha chain
Background	The protein encoded by this gene is the alpha component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia, afibrinogenemia and renal amyloidosis. Alternative splicing results in two isoforms which vary in the carboxy-terminus. [provided by RefSeq, Jul 2008]
Function	Cleaved by the protease thrombin to yield monomers which, together with fibrinogen beta (FGB) and fibrinogen gamma (FGG), polymerize to form an insoluble fibrin matrix. Fibrin has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was

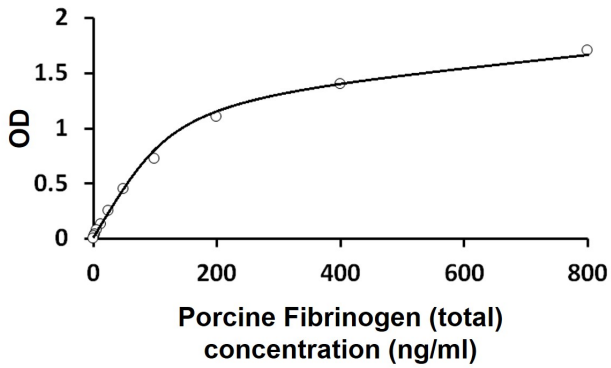
originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However, subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets via an ITGB3-dependent pathway. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the immune response via both innate and T-cell mediated pathways. [UniProt]

Resrarch Area

Cell Biology and Cellular Response kit; Metabolism kit

## Images

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ARG81083 Porcine Fibrinogen (total) ELISA Kit standard curve image

ARG81083 Porcine Fibrinogen (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm.