

# Product Datasheet

## Human Fibrinogen ELISA Kit (Colorimetric) KA0475

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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**KA0475****Human Fibrinogen ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	Fibrinogen (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of human fibrinogen in plasma.
<b>Gene ID</b>	2243
<b>Gene Symbol</b>	FGA
<b>Species</b>	Human
<b>Kit Components</b>	Human Fibrinogen Microplate: A 96-well polystyrene microplate coated with a murine antibody against human FBG., Sealing Tapes: Pre-cut, pressure sensitive sealing tapes that can be cut to fit the format of the individual assay., Human Fibrinogen Standard: Human FBG in a buffered protein base (lyophilized)., Biotinylated Human Fibrinogen protein (2x): lyophilized, MIX Diluent Concentrate (10x): A 10-fold concentrated buffered protein base., Wash Buffer Concentrate (20x): A 20-fold concentrated buffered surfactant., SP Conjugate: A 100-fold concentrate., Chromogen Substrate (1x): A stabilized peroxidase chromogen substrate tetramethylbenzidine., Stop Solution: A 0.5 N hydrochloric acid to stop the chromogen substrate reaction.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Standard Curve Range</b>	2.5 to 40 ug/mL
<b>Sensitivity</b>	2.25 ug/mL
<b>Inter Assay</b>	CV% < 7.50%
<b>Intra Assay</b>	CV% < 5.10%
<b>Assay Type</b>	Competitive ELISA
<b>Spiking Recovery</b>	98.50%
<b>Suitable Sample Type</b>	Plasma
<b>Sample Volume</b>	25 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Quantification
<b>Recommended Dilutions</b>	ELISA, Quantification

## Publications

Pletsch-Borba L, Watzinger C, Turzanski R et al. Biomarkers of Vascular Injury and Type 2 Diabetes: A Prospective Study, Systematic Review and Meta-Analysis. *J Clin Med*. 2019-11-27 [PMID: 31783601]

Grafetstatter M, Pletsch-Borba L, Sookthai D et al. Thrombomodulin and Thrombopoietin, Two Biomarkers of Hemostasis, Are Positively Associated with Adherence to the World Cancer Research Fund/American Institute for Cancer Research Recommendations for Cancer Prevention in a Population-Based Cross-Sectional Study. *Nutrients*. 2019-09-03 [PMID: 31484340]

Pletsch-Borba L, Grafetstatter M, Husing A et al. Biomarkers of vascular injury in relation to myocardial infarction risk: A population-based study. *Sci Rep*. 2019-02-28 [PMID: 30816120]

Graf ME, Sookthai D, Johnson T et al. Pre-diagnostic plasma concentrations of Fibrinogen, sGP1Ib/IIIa, sP-selectin, sThrombomodulin, Thrombopoietin in relation to cancer risk: Findings from a large prospective study. *Int J Cancer* 2018-06-19 [PMID: 29923180]

Handley DA, Hughes TE. Pharmacological approaches and strategies for therapeutic modulation of fibrinogen. *Thromb Res*. 1997-07-01 [PMID: 9253797]

Doolittle RF. Fibrinogen and fibrin. *Annu Rev Biochem*. 1984-01-01 [PMID: 6383194]

Handa K, Kono S, Saku K et al. Plasma fibrinogen levels as an independent indicator of severity of coronary atherosclerosis. *Atherosclerosis*. 1989-06-01 [PMID: 2751752]

Bhadra R, Choudhuri AR, Hazra A, Mukhopadhyay JD. Serum vitamin D level and its relation with carotid intima-media thickness in type 2 diabetic patients: a cross-sectional observational study. *Diabetes Metab Syndr* 2016-01-15 [PMID: 26818693]





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### **Products Related to KA0475**

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NBP2-62459	Fibrinogen Native Protein
M6000B-1	IL-6 [HRP]
AF4786	Fibrinogen Antibody [Unconjugated]
AF1356	CD117/c-kit Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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