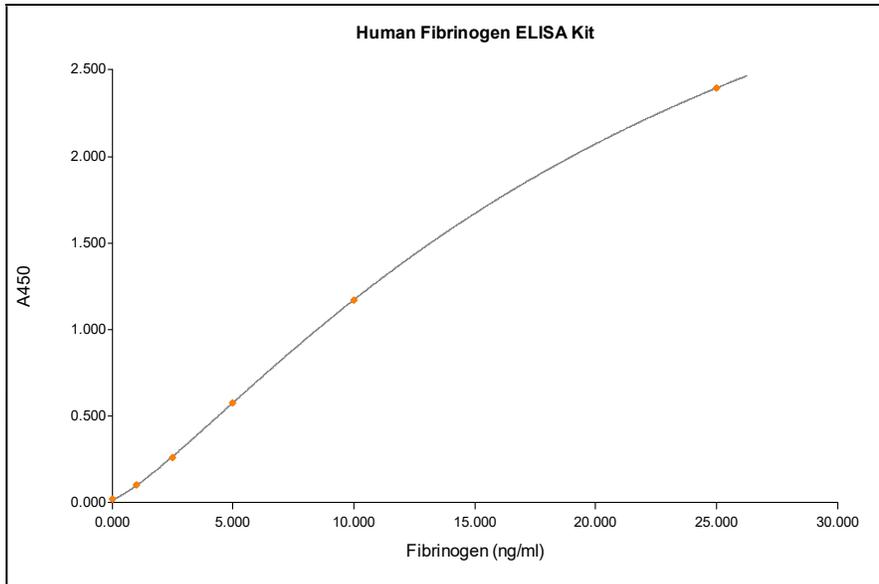


Human Fibrinogen ELISA Kit Cat# FIBN-100

The Human Fibrinogen ELISA Kit is a highly sensitive sandwich ELISA for the measurement of Human Fibrinogen in serum, plasma, culture supernatant, saliva, urine, or other appropriately qualified matrices



Human Fibrinogen ELISA Kit features

- Anti-Human Fibrinogen antibody pre-coated, ready-to-use 96-well breakable strip plate, suitable for multiple runs over 6 months
- Pre-diluted, ready-to-use Human Fibrinogen standards
- **Assay length:** 1 hour & 45 minutes. 3 incubation steps at room temperature
- **Dynamic range:** 1-25 ng/ml
- **Sensitivity** ~100 pg/ml
- **Storage:** 2-8°C (whole kit)
- **Shelf life:** 6-12 months

Contains all necessary reagents. For in vitro research use only.

Fibrinogen (ng/ml)	0	1	2.5	5	10	25
A450	0.019	0.102	0.264	0.58	1.172	2.396

Assay Procedure: Allow all reagents to reach room temperature. Arrange and label required number of strips.

- Step 1.** Pipette 100 ul of appropriately diluted samples and calibrators into wells and incubate for 1 hour at room temperature.
- Step 2.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 3.** Add 100 ul of HRP conjugated detection antibody to each well and incubate for 30 minutes at room temperature
- Step 4.** Wash the wells 3X with 300 ul of wash buffer for each well
- Step 5.** Add 100 ul of TMB Substrate solution to all wells, mix gently, and incubate at room temperature for 15 minutes.
- Step 6.** Pipette 100 ul of stop solution into each well and mix gently. Measure at 450 nm w/ 630 nm as a reference filter if available.

Performance Characteristics

Sensitivity: ~100 pg/ml
Average recovery: 100 ±15%
Average linearity: 100 ±15%
Precision: Intra-assay: <10% Inter-assay: <10%

Minimum recommended dilution: 10-fold

Note: Minimum recommended dilution represents the dilution which is needed to eliminate matrix interference effects. All samples must be diluted to at least the minimum recommended ratio. Samples may be further diluted if the sample values fall within the standard curve, if sample volume is to be preserved, or if the sample value is above the highest OD on the standard curve

General Information

Fibrinogen is a protein with a molecular mass of 340 kDa. It is made up of two sets of alpha, beta, and gamma polypeptide chains, and synthesized in the parenchymal cell of the hepatocyte and in the megakaryocytes. Fibrinogen plays a major role in coagulation; elevated and decreased levels have clinical significance. Elevated plasma Fibrinogen has been used as a marker for coronary atherosclerosis and ischemic heart disease.