

CARDIOVASCULAR DISEASE

Immunoassays



FETUIN-A (AHSG) HUMAN ELISA

Cat. No.: RD191037100

IVD CE

Intended use

The RD191037100 Human Fetuin-A (AHSG) ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human fetuin-A in serum and plasma.

- › The total assay time is less than 3 hours
- › The kit measures fetuin-A in serum and plasma (EDTA, citrate, heparin)
- › Assay format is 96 wells
- › Quality Controls are human serum based. No animal sera are used
- › Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application

- › Cardiovascular disease
- › Tissue calcification
- › Renal disease
- › Bone metabolism

Immunoassays

Test principle

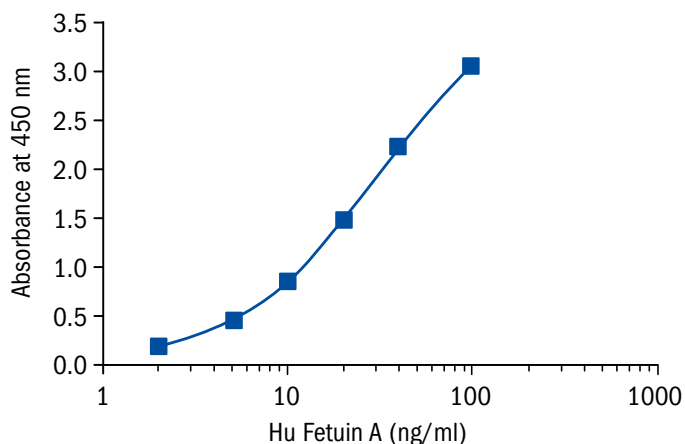
In the BioVendor Human Fetuin-A ELISA, standards, quality controls and samples are incubated in microplate wells pre-coated with polyclonal anti-human fetuin-A antibody. After 60 minutes incubation and washing, polyclonal anti-human fetuin-A antibody, conjugated with horseradish peroxidase (HRP) is added to the wells and incubated for 60 minutes with captured fetuin-A. Following another washing step, the remaining HRP conjugate is allowed to react with the substrate

solution (TMB). The reaction is stopped by addition of acidic solution and absorbance of the resulting yellow product is measured. The absorbance is proportional to the concentration of fetuin-A. A standard curve is constructed by plotting absorbance values against concentrations of standards, and concentrations of unknown samples are determined using this standard curve.

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Assay format	Sandwich ELISA, HRP-labelled antibody, 96 wells/kit
Samples	Serum, Plasma (EDTA, citrate, heparin) dil. 1:10 000
Controls	QC-Low, QC-High
Standards	2–100 ng/ml
Limit of detection	0.104 ng/ml
Cross-reactivity	Monkey



Summary of protocol

- Reconstitute QCs and Master Standard and prepare set of standards
- Dilute samples 10,000×
- Add 100 µl Standards, QCs and samples
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl conjugate solution
- Incubate at RT for 1 hour/300 rpm
- Wash plate 3 times
- Add 100 µl substrate solution
- Incubate at RT for 10 min
- Add 100 µl stop solution
- Read absorbance and calculate results

Related products

- Fetuin-A (AHSG) NATIVE, Human Plasma RD172037100
- Fetuin-A (AHSG) Human, Rabbit Polyclonal Antibody RD181036100
- Fetuin-A (AHSG) Human, Goat Polyclonal Antibody RD184036100

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