FETUIN-A (AHSG) HUMAN ELISA

Cat. No.: RD191037100

**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
**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.

### 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

### Graph

Absorbance at 450 nm vs Hu Fetuin A (ng/ml)