The RD191023100 Human Adiponectin ELISA, High Sensitivity is a sandwich enzyme immunoassay for the quantitative measurement of human adiponectin in serum, plasma, breast milk, urine, cerebrospinal fluid and tissue culture media.

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

Clinical application:
- Energy metabolism and body weight regulation
- Metabolic syndrome
- Type 2 diabetes
- Coronary artery disease
- Atherosclerosis
**Test principle**

In the BioVendor Human Adiponectin ELISA, standards, quality controls and samples are incubated in microplate wells pre-coated with polyclonal anti-human adiponectin antibody. After 60 minutes incubation and washing, polyclonal anti-human adiponectin antibody, conjugated with horseradish peroxidase (HRP) is added to the wells and incubated for 60 minutes with captured adiponectin. 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 adiponectin. 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**

- Dilute samples and QCs 300×
- 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**

- Human Adiponectin ELISA RD195023100
- Adiponectin Globular Human E. coli RD172112100
- Adiponectin Human E. coli RD172029100
- Adiponectin Human HEK293 RD172023010
- Adiponectin Human, Trimeric form (HEK) RD172091100
- Adiponectin MMW and HMW oligomer-rich Human HEK, Tagless RD172023100-C
- Adiponectin LMW and MMW oligomer-rich Human HEK, Tagless RD172023100-B
- Adiponectin Human (HEK), Rabbit Polyclonal Antibody RD181023100
- Adiponectin Human, Rabbit Polyclonal Antibody RD181023220
- Adiponectin Human (HEK), Goat Polyclonal Antibody RD184023100
- Adiponectin Human, Sheep Polyclonal Antibody RD184023100-01

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