Immunoassays

The RD191093100R Human Zinc-Alpha-2-Glycoprotein ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human zinc-alpha-2-glycoprotein in serum and plasma.

- The kit measures zinc-alpha-2-glycoprotein in serum and plasma (EDTA, citrate, heparin)
- Assay format is 96 wells
- Quality Controls are human serum based. No animal sera are used
- Standard is recombinant protein based
- Components of the kit are provided ready to use, concentrated or lyophilized

Intended use

The RD191093100R Human Zinc-Alpha-2-Glycoprotein ELISA is a sandwich enzyme immunoassay for the quantitative measurement of human zinc-alpha-2-glycoprotein in serum and plasma.

- Energy metabolism and body weight regulation
- Oncology
Immunoassays

**Test principle**

In the BioVendor Human Zinc-Alpha-2-Glycoprotein (ZA2G) ELISA, standards, quality controls and samples are incubated in microplate wells pre-coated with polyclonal anti-human ZA2G antibody. After 60 minutes incubation and washing, polyclonal anti-human ZA2G antibody, conjugated with horseradish peroxidase (HRP) is added to the wells and incubated for 60 minutes with captured ZA2G. 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 ZA2G. 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**

- Prepare Dilution Buffer
- Reconstitute QCs and Master Standard and prepare set of standards
- Dilute samples 5 000×
- 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**

- Zinc-Alpha-2-Glycoprotein Human HEK293 RD172093100
- Zinc-Alpha-2-Glycoprotein Native, Human serum RD162093025
- Zinc-Alpha-2-Glycoprotein Human, Rabbit Polyclonal Antibody RD181093100
- Zinc-Alpha-2-Glycoprotein Human, Sheep Polyclonal Antibody RD184093100

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**HUMAN ZINC-ALPHA-2-GLYCOPROTEIN ELISA**

<table>
<thead>
<tr>
<th>Cat.No.: RD191093100R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay format</td>
</tr>
<tr>
<td>Samples</td>
</tr>
<tr>
<td>Controls</td>
</tr>
<tr>
<td>Standards</td>
</tr>
<tr>
<td>Limit of detection</td>
</tr>
<tr>
<td>Cross-reactivity</td>
</tr>
</tbody>
</table>

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![Absorbance graph](image)