The RD194070100R sHLA-G ELISA is a sandwich enzyme immunoassay for the quantitative measurement of soluble forms of human leukocyte antigen-G (sHLA-G).

- Total assay time is about 20 hours
- The kit measures shedded HLA-G1 and HLA-G5 in plasma-EDTA, amniotic fluid, or cell culture supernatant
- Calibrator is human native protein
- Assay format is 96 wells
- Components of the kit are provided ready to use, concentrated or lyophilized

Clinical application:
- Reproduction
- Immune Response, Infection and Inflammation
- Transplantation
Immunoassays

Test principle
In the BioVendor shLA-G ELISA, calibrators and samples are incubated in microplate wells pre-coated with monoclonal anti-shLA-G antibody. After 16-20 hours incubation and washing, monoclonal anti-human β2-microglobulin antibody labelled with horseradish peroxidase (HRP) is added to the wells and incubated for 60 minutes with captured shLA-G. 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 shLA-G. A calibration curve is constructed by plotting absorbance values against concentrations of calibrators, and concentrations of unknown samples are determined using this calibration curve.

Summary of protocol
- Reconstitute Master Calibrator and prepare set of calibrators
- Prepare samples
- Add 100 μl Calibrators and samples
- Incubate at 2-8°C for 16-20 hour/no shaking
- Wash plate 5 times
- Add 100 μl Conjugate Solution
- Incubate at RT for 1 hour/300 rpm
- Wash plate 5 times
- Add 100 μl Substrate Solution
- Incubate at RT for 25 min/no shaking
- Add 100 μl Stop Solution
- Read absorbance and calculate results

**SHLA-G ELISA**

<table>
<thead>
<tr>
<th>Cat.No.: RD194070100R</th>
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<tbody>
<tr>
<td><strong>Assay format</strong></td>
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<tr>
<td>Sandwich ELISA, HRP-labelled antibody, 96 wells/kit</td>
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<tr>
<td><strong>Samples</strong></td>
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<tr>
<td>Amniotic fluid, Cell culture medium, Plasma-EDTA</td>
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<tr>
<td><strong>Standards</strong></td>
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<tr>
<td>3.91 to 125 Units/ml</td>
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<tr>
<td><strong>Limit of detection</strong></td>
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<tr>
<td>Analytical Limit of Detection is calculated from the real shLA-G values in wells and is 0.6 U/ml</td>
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