Catalog number
Mouse Albumin ELISA Kit ........................................80630

Intended use
A high quality enzymatic assay for the quantification of mouse albumin in serum, plasma, and urine.

Test principle
Crystal Chem’s Mouse Albumin ELISA kit is a sandwich ELISA. An unknown amount of albumin present in the sample binds with anti-albumin antibodies bound to the microplate. After washing to remove unbound proteins, HRP-conjugated anti-albumin antibodies are added and form a complex with the albumin complex present in the wells. TMB substrate is then added to measure the concentration of albumin present.

Specifications

<table>
<thead>
<tr>
<th>Sample Types</th>
<th>Serum, Plasma, and Urine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assay Time</td>
<td>1 hour 10 minutes</td>
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<tr>
<td>Range</td>
<td>7.8 - 500 ng/mL</td>
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<tr>
<td>Sample Size</td>
<td>2 µL</td>
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<tr>
<td>Precision</td>
<td>CV &lt; 10 %</td>
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<tr>
<td>Sensitivity</td>
<td>1.70 ng/mL</td>
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</tbody>
</table>

Highlights
- Kits use only 2 µL sample
- Wide dynamic range
- High sensitivity (1.7 ng/mL)
- Low cost per sample

Summary of protocol
1. Add 100 µL diluted sample or standard to well plate
2. Incubate for 30 minutes at room temperature
3. Wash plate
4. Add 100 µL antibody conjugate
5. Incubate for 30 minutes at room temperature
6. Wash plate
7. Add 100 µL substrate solution
8. Incubate for 10 minutes
9. Add 100 µL stop solution
10. Measure OD at 450/630 nm