Endostatin ELISA, Product Flyer

Interest in any of the products, request or order them at Bio-Connect Diagnostics.
Setting the standard for clinical research.

ENDOSTATIN ELISA
ELISA for the quantitative determination of human Endostatin.

Endostatin – a potent angiogenesis inhibitor is

- the C-terminal proteolytic fragment of collagen XVIII, localized in the vascular basement membrane zones in various organs
- expressed during the progression of renal fibrosis in tubular cells of injured tissue
- increased in renal micro-vascular disease in late stages of patients with CKD

Features & benefits

- Wide dynamic range
- Day test - results in 4 1/2 hours
- Fully validated – optimized for clinical samples
- Conventional ELISA Format – automation possible

Areas of interest

- Micro-vascular injury
- Chronic kidney disease
- Atherosclerosis
- Ischemia

Assay characteristics

- **Method**: Sandwich ELISA, 96-well strip plate, HRP/TMB
- **Sample type**: Serum, plasma (EDTA, citrate, heparin), urine
- **Standard range**: 0-80 nmol/l (= 0-1,600 ng/ml)
- **Conversion factor**: 1 ng/ml = 0.05 nmol/l (MW = 20 kDa)
- **Sample volume**: 5 µl neat sample
- **Detection limit**: 0.2 nmol/l (0 nmol/l + 3SD)
- **Incubation time, temp.**: 3h/1h/30min, room temperature
- **Cross reactivity**: Human only, no cross-reactivity with other species


### Literature related to CKD:


### Serum and urine Endostatin values in various patient cohorts

**Serum**

<table>
<thead>
<tr>
<th>Group</th>
<th>Median</th>
<th>25th</th>
<th>75th</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apparently healthy</td>
<td>5.1</td>
<td>2.5</td>
<td>10.6</td>
</tr>
<tr>
<td>Unselected hospital panel</td>
<td>21.5</td>
<td>10.6</td>
<td>43.1</td>
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<tr>
<td>Renal disease</td>
<td>38.1</td>
<td>19.5</td>
<td>56.6</td>
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</table>

**Urine**

<table>
<thead>
<tr>
<th>Group</th>
<th>Median</th>
<th>25th</th>
<th>75th</th>
</tr>
</thead>
<tbody>
<tr>
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<td>8</td>
<td>19</td>
</tr>
<tr>
<td>Unselected hospital panel</td>
<td>182</td>
<td>100</td>
<td>306</td>
</tr>
</tbody>
</table>

**Notes:**

- Serum values represent the median and interquartile range (25th and 75th percentiles).
- Urine values represent the median and range.

**Graphs:**

- Box plots for serum and urine Endostatin values in various patient cohorts.