What Is Apolipoprotein B-48 (Apo B-48)?

Apolipoprotein B-48 is a specific structural protein in lipoproteins derived from the small intestine, such as chylomicron (CM) and chylomicron remnants. Since one role of CM is to transfer exogenous lipids derived from food to the liver or peripheral tissues, the measurement of Apo B-48 is considered as the best marker for observation of exogenous lipid transportation after food intake.

Features

- Changes in exogenous and endogenous cholesterol can be analyzed by measuring LDL-cholesterol, HDL-cholesterol and Apo-B48 within the same sample.
- A fasting Apo B-48 value may be a marker of postprandial hyperlipidemia. Likewise it is useful for the evaluation of risks for developing atherosclerotic diseases: peripheral arterial disease (PAD), cardiovascular disease, and vascular endothelial dysfunction.
- Apolipoto is crucial for the evaluation of CM remnants that have been implicated as a cause of atherosclerosis in the cardiovascular system.
## Ordering Information

<table>
<thead>
<tr>
<th>Wako Code</th>
<th>Product name</th>
<th>Application</th>
<th>Assay range (ng/mL)</th>
<th>Sample volume (μL/well)</th>
<th>Total reaction time</th>
</tr>
</thead>
<tbody>
<tr>
<td>637-10641</td>
<td>LBIS Human Apo B-48 ELISA Kit</td>
<td>For exogenous lipid transportation in human derived from food</td>
<td>2.5-160</td>
<td>50 μL(diluted)</td>
<td>2 h 50 min</td>
</tr>
<tr>
<td>622-04909</td>
<td>LBIS Rabbit Apo B-48 ELISA Kit</td>
<td>For translational research on hyperlipidemia or arteriosclerosis</td>
<td>19.5-1250</td>
<td>50 μL(diluted)</td>
<td>2 h 50 min</td>
</tr>
<tr>
<td>621-05839</td>
<td>Human Apo B-48, Control Set</td>
<td>For quality control of LBIS Human Apo B-48 ELISA Kit</td>
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</tr>
</tbody>
</table>

## Related Products – LabAssay™ Product Line

<table>
<thead>
<tr>
<th>Wako Code</th>
<th>Product name</th>
<th>Application</th>
<th>Assay range</th>
<th>Analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>294-65801</td>
<td>LabAssay™ Cholesterol</td>
<td>For Cellbiology</td>
<td>0-600 mg/dL</td>
<td>Enzymatic-colorimetric</td>
</tr>
<tr>
<td>290-63701</td>
<td>LabAssay™ Triglyceride</td>
<td>For Cellbiology</td>
<td>0-900 mg/dL</td>
<td>Enzymatic-colorimetric</td>
</tr>
<tr>
<td>296-63801</td>
<td>LabAssay™ Phospholipid</td>
<td>For Cellbiology</td>
<td>0-600 mg/dL</td>
<td>Enzymatic-colorimetric</td>
</tr>
<tr>
<td>298-65701</td>
<td>LabAssay™ Glucose</td>
<td>For Cellbiology</td>
<td>0-500 mg/dL</td>
<td>Enzymatic-colorimetric</td>
</tr>
<tr>
<td>295-78901</td>
<td>LabAssay™ Ammonia</td>
<td>For Cellbiology</td>
<td>100-400 μg/dL (Ammonia Nitrogen)</td>
<td>Colorimetric</td>
</tr>
<tr>
<td>291-58601</td>
<td>LabAssay™ ALP</td>
<td>For Cellbiology</td>
<td>0-0.5 mmol/L (p-Nitrophenol)</td>
<td>Colorimetric</td>
</tr>
</tbody>
</table>

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