**Anti-human Insulin Monoclonal Antibody**

**Specification Sheet**

<table>
<thead>
<tr>
<th><strong>Catalog #:</strong></th>
<th>MI053</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lot #:</strong></td>
<td>D3387</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Monoclonal Antibody to Human Insulin</td>
</tr>
<tr>
<td><strong>Specificity:</strong></td>
<td>This antibody reacts with human insulin. It does not react with C-peptide.</td>
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<tr>
<td><strong>Clone:</strong></td>
<td>2G41C3</td>
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<tr>
<td><strong>Host Animal:</strong></td>
<td>Hybridization of P3x63-Ag 9.653 myeloma cells with spleen cells from Balb/c mouse</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG1</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Mouse ascites</td>
</tr>
<tr>
<td><strong>Immunogen:</strong></td>
<td>Synthetic human insulin</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Purified, liquid</td>
</tr>
<tr>
<td><strong>Purification:</strong></td>
<td>DEAE chromatography</td>
</tr>
<tr>
<td><strong>Concentration:</strong></td>
<td>2.51 mg/mL (OD280 nm, E&lt;sub&gt;0.1% = 1.40&lt;/sub&gt;)</td>
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<tr>
<td><strong>Affinity Constant:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Buffer:</strong></td>
<td>0.015M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN&lt;sub&gt;3&lt;/sub&gt; pH=7.2</td>
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<tr>
<td><strong>Pairing Assays:</strong></td>
<td>MI051’s coating antibody</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;95% by HPLC and SDS-PAGE</td>
</tr>
<tr>
<td><strong>Application:</strong></td>
<td>Human insulin quantitative assays by EIA</td>
</tr>
<tr>
<td><strong>Storage:</strong></td>
<td>2-8°C for 1 year; -20°C for long term</td>
</tr>
</tbody>
</table>

*For research use only*