PRODUCT SPECIFICATIONS

Name
Anti-\(h\) Insulin 9351

Specificity
Antibody recognizes human insulin

Description
Monoclonal antibody raised against human Insulin. \textit{In vitro} cultured mouse monoclonal antibody.

Product code
700014

Product buffer solution
0.1 M PBS, pH 7.4, 0.9 \% NaCl, 0.05 \% \(\text{NaN}_3\) as a preservative

Shelf life and storage
60 months from manufacturing at 2–8 °C

Analyte description
Insulin is a peptide hormone produced in the pancreas by the beta cells. It is formed as a precursor molecule preproinsulin which is cleaved into proinsulin and further to mature insulin. Insulin is important for carbohydrate and fat metabolism and its deficiency leads to diabetes mellitus.

PARAMETERS TESTED ON EACH LOT

Product appearance
Liquid

Product concentration
\(> 1.0 \text{ mg/ml}\)

Immunoreactivity
Passed in ELISA when Anti-\(h\) Insulin antibody 9351 was used as a capture antibody

IEF Profile
6.8 – 7.2

Purity
\(\geq 95\%\)

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

Subclass
\(\text{IgG}_1\)

Association rate constant
N/D

Dissociation rate constant
N/D

Affinity constant
N/D

Determination method
-

Determination antigen
-
<table>
<thead>
<tr>
<th>Cross-reactivities</th>
<th>N/D</th>
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<tr>
<td>Epitope</td>
<td>N/D</td>
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<tr>
<td>Pair recommendations</td>
<td>CAPTURE ANTIBODY 9351</td>
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<tr>
<td></td>
<td>Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.</td>
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<tr>
<td>Product stability</td>
<td>TEMPERATURE, TIME N/D</td>
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