Our unique Human IgE from a monoclonal cell line will widely contribute to your research and reliable production.
The DIA HE1 IgE is an affinity-purified, fully human IgE antibody with kappa light chains. It is produced in vitro from a monoclonal hybridoma. This unique source guarantees freedom from contamination by other immunoglobulin isotypes. Compared to IgE from a myeloma patient, where batch-to-batch variability may be high, the monoclonal source of IgE ensures very high reproducibility. This human IgE is used widely in the field of allergy research and diagnostic kit manufacturing, mostly as a standard in quantitative IgE assays and for internal control and QC purposes.

What is DIA HE1 IgE?

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DIA HE1 Human IgE

PRODUCT SPECIFICATIONS
– delivered in 100 μL, 1 mL or in customer tailored volumes

<table>
<thead>
<tr>
<th>Product. No.</th>
<th>Product description</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIA HE1</td>
<td>Human IgE (non-immune) (azide-free, low endotoxin)</td>
<td>100 μL, 1 mg/mL, 1 mL, 1 mg/mL</td>
</tr>
<tr>
<td>DIA HE1A</td>
<td>Human IgE (non-immune)</td>
<td>100 μL, 1 mg/mL, 1 mL, 1 mg/mL</td>
</tr>
<tr>
<td>DIA HE1B</td>
<td>Human IgE (non-immune), biotinylated</td>
<td>100 μL, 1 mg/mL</td>
</tr>
</tbody>
</table>

Presentation

<table>
<thead>
<tr>
<th>CLONE</th>
<th>HE1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORIGIN</td>
<td>Monoclonal cell line</td>
</tr>
<tr>
<td>SUBCLASS</td>
<td>IgE/k</td>
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<tr>
<td>PRODUCTION</td>
<td>In vitro hollow fibre production system</td>
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<tr>
<td>PREPARATION</td>
<td>Protein L purified</td>
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<tr>
<td>PURITY</td>
<td>&gt;90%</td>
</tr>
<tr>
<td>ENDOTOXIN LEVEL</td>
<td>&lt;25 EU/mg – DIA HE1-01 / DIA HE1-1</td>
</tr>
<tr>
<td>UNITS</td>
<td>1 mg of DIA HE1 is 380,000 ± 50,000 IU/ml</td>
</tr>
</tbody>
</table>

For in vitro use or further manufacture only.
DIA HE1 Human IgE – Applications
– Numerous applications ensures wide use

BioPorto DIA HE1 IgE
– Widely used for research and manufacturing

Low endotoxin levels
Low batch-to-batch variability
Very high reproducibility

Freedom from contamination by other immunoglobulin isotypes
Purity >90%
With and without azide

Unique source that secures high reproducibility and reliability

Low endotoxin levels
Freedom from contamination by other immunoglobulin isotypes

Purity >90%
With and without azide

Unique source that secures high reproducibility and reliability
Stimulation of human airway smooth muscle (HASM) cell’s with IgE


Stimulation of mast cells (MC) with IgE

Stimulation of human bronchial/tracheal smooth muscle (B/TSM) cells with IgE

Stimulation of acute myelogenous leukemia (AML) blasts

Stimulation of neutrophils

Investigation of Aspergillus oryzae involvement in allergic bronchopulmonary aspergillosis (ABPA)
7. Investigation of Aspergillus oryzae involvement in allergic bronchopulmonary aspergillosis (ABPA).

Used as a control for IgE in skin graft on mice

IgE used as a positive control in microarray technology

IgE used in biosensor research
