ARG80103 Human IL2 (High sensitive) ELISA Kit

Component

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Component Name</th>
<th>Package</th>
<th>Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARG80103-001</td>
<td>Antibody-coated microplate</td>
<td>8 X 12 strips</td>
<td>4°C. Unused strips should be sealed tightly in the air-tight pouch.</td>
</tr>
<tr>
<td>ARG80103-002</td>
<td>Standard (Lyophilized)</td>
<td>3 X 1 ng/vial</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-003</td>
<td>Standard diluent buffer</td>
<td>20 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-004</td>
<td>Antibody conjugate concentrate</td>
<td>400 µl</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-005</td>
<td>Antibody diluent buffer</td>
<td>16 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-006</td>
<td>HRP-Streptavidin concentrate</td>
<td>400 µl</td>
<td>4°C (Protect from light)</td>
</tr>
<tr>
<td>ARG80103-007</td>
<td>HRP-Streptavidin diluent buffer</td>
<td>16 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-008</td>
<td>20X Wash buffer</td>
<td>50 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-009</td>
<td>TMB substrate</td>
<td>12ml</td>
<td>4°C (Protect from light)</td>
</tr>
<tr>
<td>ARG80103-010</td>
<td>STOP solution</td>
<td>12ml</td>
<td>4°C</td>
</tr>
<tr>
<td>ARG80103-011</td>
<td>Plate sealer</td>
<td>6 strips</td>
<td>Room temperature</td>
</tr>
</tbody>
</table>

Summary

Product Description: ARG80103 Human IL2 (High sensitive) ELISA Kit is a high sensitive Enzyme Immunoassay kit for the quantification of Human IL2 in Serum, Plasma, Cell culture supernatants.

Tested Reactivity: Hu

Tested Application: ELISA

Specificity: No significant cross-reactivity or interference with Human IL-2 R alpha, IL-2 R beta, IL-2 R gamma/ mouse IL-2

Target Name: IL2

Conjugation: HRP

Conjugation Note: Substrate: TMB and read at 450 nm

Sensitivity: 2 pg/ml

Sample Type: Serum, Plasma, Cell culture supernatants

Standard Range: 3.9 - 250 pg/ml
Sample Volume 100 µl

Precision CV: ≤10%

Alternate Names TCGF; IL-2; lymphokine; Interleukin-2; Aldesleukin; T-cell growth factor

Application Instructions

Assay Time 4 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol IL2

Gene Full Name interleukin 2

Background The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoaallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Jul 2008]

Function Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. [UniProt]

Research Area Immune System kit

Images

ARG80103 Human IL2 (High sensitive) ELISA Kit standard curve image

ARG80103 Human IL2 (High sensitive) ELISA Kit results of a typical standard run with optical density reading at 450 nm.