Datasheet for ABIN6999620

anti-IL-10 antibody

Overview

<table>
<thead>
<tr>
<th>Quantity:</th>
<th>20 μL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target:</td>
<td>IL-10 (IL10)</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>Human, Mouse, Rat</td>
</tr>
<tr>
<td>Host:</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Clonality:</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate:</td>
<td>This IL-10 antibody is un-conjugated</td>
</tr>
<tr>
<td>Application:</td>
<td>Western Blotting (WB), Immunohistochemistry (IHC)</td>
</tr>
</tbody>
</table>

Product Details

<table>
<thead>
<tr>
<th>Immunogen:</th>
<th>Recombinant Human Interleukin-10 protein</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotype:</td>
<td>IgG</td>
</tr>
<tr>
<td>Characteristics:</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Purification:</td>
<td>Affinity purification</td>
</tr>
</tbody>
</table>

Target Details

<table>
<thead>
<tr>
<th>Target:</th>
<th>IL-10 (IL10)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Name</td>
<td>IL10 (IL10 Products)</td>
</tr>
<tr>
<td>Background:</td>
<td>Interleukin (IL)-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival,</td>
</tr>
</tbody>
</table>
**Target Details**

proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

<table>
<thead>
<tr>
<th>Molecular Weight:</th>
<th>21 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>UniProt:</td>
<td>P22301</td>
</tr>
<tr>
<td>Pathways:</td>
<td>Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Maintenance of Protein Location, Cancer Immune Checkpoints</td>
</tr>
</tbody>
</table>

**Application Details**

<table>
<thead>
<tr>
<th>Application Notes:</th>
<th>WB 1:500-1:1000, IHC 1:50-1:100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restrictions:</td>
<td>For Research Use only</td>
</tr>
</tbody>
</table>

**Handling**

<table>
<thead>
<tr>
<th>Format:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration:</td>
<td>2 mg/mL</td>
</tr>
<tr>
<td>Buffer:</td>
<td>PBS with 0.02 % sodium azide and 50 % glycerol pH 7.4.</td>
</tr>
<tr>
<td>Preservative:</td>
<td>Sodium azide</td>
</tr>
<tr>
<td>Precaution of Use:</td>
<td>This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.</td>
</tr>
<tr>
<td>Storage:</td>
<td>-20 °C</td>
</tr>
<tr>
<td>Storage Comment:</td>
<td>Store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Mouse colon using IL10 Polyclonal Antibody at dilution of 1:50

### Western Blotting

**Image 2.** Western Blot analysis of Rat kidney tissue using IL10 Polyclonal Antibody at dilution of 1:600

### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Rat spleen using IL10 Polyclonal Antibody at dilution of 1:50