Overview

Product name: Anti-IL-15 antibody
Description: Rabbit polyclonal to IL-15
Host species: Rabbit
Tested applications: Suitable for: Blocking, ICC/IF, Neutralising, WB
Species reactivity: Reacts with: Mouse, Human
Immunogen: Recombinant full length protein corresponding to Mouse IL-15.

General notes:

IL-15 (14-15 kD) is a member of the four alpha-helical bundle family of cytokines. It is very similar to IL-2, except that IL-15 has an IL-15 alpha receptor subunit. IL-15 plays an important role in the growth and differentiation of T and B lymphocytes, natural killer cells, macrophages, and monocytes as well as activation of a number of important intracellular signaling molecules. This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Preservative: 0.1% Sodium azide
Constituent: PBS
Purity: Protein A purified
Primary antibody notes: IL-15 (14-15 kD) is a member of the four alpha-helical bundle family of cytokines. It is very similar to IL-2, except that IL-15 has an IL-15 alpha receptor subunit. IL-15 plays an important role in the growth and differentiation of T and B lymphocytes, natural killer cells, macrophages, and monocytes as well as activation of a number of important intracellular signaling molecules. This implies that IL-15 could be essential for the immune responses, allograft rejection, and the pathogenesis of autoimmune diseases.

Clonality: Polyclonal
Isotype: IgG
Function
Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15 with components of IL-2R, including IL-2R beta and probably IL-2R gamma but not IL-2R alpha.

Tissue specificity
Most abundant in placenta and skeletal muscle. It is also detected in the heart, lung, liver and kidney. IL15-S21AA is preferentially expressed in tissues such as testis and thymus.

Sequence similarities
Belongs to the IL-15/IL-21 family.

Cellular localization
Secreted and Cytoplasm. Nucleus. IL15-S21AA is not secreted, but rather is stored intracellularly, appearing in the nucleus and cytoplasmic components.

Applications
Our Abpromise guarantee covers the use of ab7213 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Blocking</td>
<td></td>
<td>Use a concentration of 10 µg/ml. PubMed: 17239632</td>
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<tr>
<td>ICC/IF</td>
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<td>Use a concentration of 1 µg/ml. PubMed: 15921960</td>
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<tr>
<td>Neutralising</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
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<td>1/500.</td>
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Target

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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