Product name: Anti-IL-2 antibody

Description: Rabbit polyclonal to IL-2

Host species: Rabbit

Tested applications: Suitable for: WB, ELISA, Neutralising

Species reactivity: Reacts with: Human

Immunogen: Recombinant full length protein aa 21-153. The immunogen corresponds to the mature full length protein minus the signal peptide.

Sequence:
MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLANSKNFH LRPRDLISNI NVVLELKGS ETTFMCEYAD ETATEVEFLN RWITFAQSI STL

Database link: P60568

Positive control: Purchase matching WB positive control:
Recombinant human IL-2 protein

Recombinant human IL2 protein (ab9619) can be used as a positive control in WB.

Form: Lyophilised: Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.


Storage buffer: PBS, pH 7.4, no preservative, sterile filtered

Purity: Immunogen affinity purified

Clonality: Polyclonal
Isotype: IgG  
Light chain type: unknown

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.

Involvement in disease: Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.

Sequence similarities: Belongs to the IL-2 family.

Cellular localization: Secreted.

Applications

Our Abpromise guarantee covers the use of ab9618 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. To detect hIL-2 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hIL-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</td>
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<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent concentration. To detect hIL-2 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-2.</td>
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<tr>
<td>Neutralising</td>
<td></td>
<td>Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hIL-2 (2.0 ng/ml), a concentration of 0.12 - 0.16 µg/ml of this antibody is required.</td>
</tr>
</tbody>
</table>

Target

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.

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Images
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