**Product datasheet**

**Anti-IL-10 antibody ab9969**

*3 Abreviews  30 References  3 Images*

**Overview**

**Product name** | Anti-IL-10 antibody  
**Description** | Rabbit polyclonal to IL-10  
**Host species** | Rabbit  
**Tested applications** | Suitable for: WB, ELISA, Neutralising, ICC/IF  
**Species reactivity** | Reacts with: Mouse, Rat  
**Immunogen** | Recombinant fragment corresponding to Rat IL-10 aa 19-178. (Peptide available as ab9970)

**Properties**

**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 instructions** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.  
**Storage buffer** | PBS, pH 7.4, no preservative, sterile filtered  
**Purity** | Immunogen affinity purified  
**Clonality** | Polyclonal  
**Isotype** | IgG  
**Light chain type** | unknown

**Applications**

Our *Abpromise guarantee* covers the use of *ab9969* 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 a concentration of 0.1 - 0.2 µg/ml. Can be blocked with Recombinant rat IL-10 protein (ab9970).</td>
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<tr>
<td>ELISA</td>
<td></td>
<td>Use a concentration of 0.5 µg/ml.</td>
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<tr>
<td>Application</td>
<td>Abreviews</td>
<td>Notes</td>
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<tr>
<td>Neutralising</td>
<td></td>
<td>Use at an assay dependent dilution. To yield one-half maximal inhibition [ND50] of the biological activity of rIL-10 (30.0 ng/ml), a concentration of 0.45 - 0.8 µg/ml of this antibody is required.</td>
</tr>
<tr>
<td>ICC/IF</td>
<td><img src="https://www.abcam.com/ratingicon.png" alt="Rating" />         </td>
<td>Use at an assay dependent concentration.</td>
</tr>
</tbody>
</table>

**Target**

**Function**

Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.

**Tissue specificity**

Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.

**Sequence similarities**

Belongs to the IL-10 family.

**Cellular localization**

Secreted.

**Images**

- **Immunocytochemistry/ Immunofluorescence - Anti-IL-10 antibody (ab9969)**

  Image courtesy of James Harris by Abreview.

  ab9969 staining IL-10 in murine immortalised bone marrow-derived macrophage by Immunocytochemistry/ Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.01% Triton X-100 and then blocked using 5% serum for 1 hour at 20°C. Samples were then incubated with primary antibody at 1/200 for 1 hour at 20°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Alexa Fluor® 568 (red) used at a 1/500 dilution.

- **Immunocytochemistry/ Immunofluorescence - Anti-IL-10 antibody (ab9969)**

  ab9969 staining IL-10 in RAW 246.7 cells treated with spermidine hydrochloride (<ab120057>ab120057</a>), by ICC/IF. Increase in IL-10 expression correlates with increased concentration of spermidine hydrochloride, as described in literature. The cells were incubated at 37°C for 24 hour in media containing different concentrations of <ab120057>ab120057</a> (spermidine hydrochloride) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab9969 (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (ab96899) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.
ab9969 staining nucleolin in Raw 264.7 cells treated with spermine (ab120051), by ICC/IF. Increase in IL-10 expression correlates with increased concentration of spermine, as described in literature. The cells were incubated at 37°C for 6h in media containing different concentrations of ab120051 (spermine) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab9969 (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (ab96899) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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