Product datasheet

Anti-IL-17 antibody ab79056

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Overview

Product name
- Anti-IL-17 antibody

Description
- Rabbit polyclonal to IL-17

Host species
- Rabbit

Tested applications
- Suitable for: ICC/IF, IHC-P, WB, ELISA, IHC-Fr

Species reactivity
- Reacts with: Mouse, Dog, Human

Immunogen
- Synthetic peptide corresponding to Human IL-17 (internal sequence). ab79056 was raised against a 16 amino acid synthetic peptide from within amino acids 50-100 of human IL-17.
  - Database link: Q16552
  - (Peptide available as ab190773)

Positive control
- Purchase matching WB positive control: Recombinant Human IL-17 protein

General notes
- The blocking peptide is available as ab190773

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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.

Storage buffer
- Preservative: 0.02% Sodium azide
  - Constituent: 99.98% PBS

Purity
- Immunogen affinity purified

Clonality
- Polyclonal

Isotype
- IgG

Applications

Our Abpromise guarantee covers the use of ab79056 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>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 5 - 20 µg/ml.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 2 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.125 - 0.5 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 18 kDa). Can be blocked with IL-17 peptide (ab190773).</td>
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<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
</tbody>
</table>

**Function**
Ligand for IL17RA and IL17RC (PubMed:17911633). The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (PubMed:18684971). Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines (PubMed:8676080).

**Tissue specificity**
Restricted to activated memory T-cells.

**Sequence similarities**
Belongs to the IL-17 family.

**Post-translational modifications**
Found both in glycosylated and nonglycosylated forms.

**Cellular localization**
Secreted.

**Images**
Paraffin embedded mouse colon tissue staining IL-17 using ab79056 at 2µg/ml by Immunohistochemistry.
Immunocytochemistry/Immunofluorescence analysis of A-20 (mouse reticulum sarcoma cell line) cells labelling IL-17 with purified ab79056 at 5 µg/mL. Cells were fixed with 4% paraformaldehyde. A goat anti-rabbit IgG (1/500) was used as the secondary antibody (green). Nuclei counterstained with DAPI (blue).

**Lane 1**: Anti-IL-17 antibody (ab79056) at 0.5 µg/ml
**Lane 2**: Anti-IL-17 antibody (ab79056) at 1 µg/ml

**All lanes**: A-20 cell lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size**: 18 kDa
**Observed band size**: 18 kDa
**Additional bands at**: 22 kDa, 28 kDa, 32 kDa. We are unsure as to the identity of these extra bands.

The higher molecular weight bands seen in the Western blot may represent glycosylated IL-17.
Immunohistochemistry analysis of mouse thymus tissue staining IL-17 with ab79056 at 20µg/ml. Goat anti-rabbit IgG (1/500) was used as the secondary antibody (red).
**Western blot - Anti-IL-17 antibody (ab79056)**

**All lanes**: Anti-IL-17 antibody (ab79056)

**Lane 1**: human thymus tissue lysate at 1 µg/ml
**Lane 2**: human thymus tissue lysate at 2 µg/ml

**Predicted band size**: 18 kDa

**Anti-IL-17 antibody (ab79056) at 1 µg/ml + Recombinant human IL-17 at 0.001 µg**

**Predicted band size**: 18 kDa

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

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