**Product datasheet**

**Anti-IL-13 antibody ab9576**

- **Product name**: Anti-IL-13 antibody
- **Description**: Rabbit polyclonal to IL-13
- **Host species**: Rabbit
- **Tested applications**: Suitable for: WB, Neutralising, IHC-P, Sandwich ELISA
- **Species reactivity**: Reacts with: Human
- **Immunogen**: Highly pure (>98%) recombinant hIL-13 (human Interleukin-13)
- **Positive control**: Recombinant human IL-13 protein (ab9577) can be used as a positive control in WB. IHC-P: human testis tissue sections

**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**: unknown
- **Light chain type**: unknown

**Applications**

Our Abpromise guarantee covers the use of ab9576 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.</td>
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</tbody>
</table>
Function

Involvement in disease
Allergic rhinitis

Sequence similarities
Belongs to the IL-4/IL-13 family.

Cellular localization
Secreted.

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<tr>
<td>Neutralising</td>
<td>Use a concentration of 0.12 - 0.13 µg/ml for one-half maximal inhibition [ND_{50}] of the biological activity of hIL-13 (2.0 ng/ml).</td>
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<tr>
<td>IHC-P</td>
<td>Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
</tr>
<tr>
<td>Sandwich ELISA</td>
<td>Use a concentration of 0.5 µg/ml. Allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-13 (assuming 100 µl/well antibody solution).</td>
</tr>
</tbody>
</table>

Images

**All lanes**: Anti-IL-13 antibody (ab9576) at 1/3000 dilution

**Lane 1**: E. coli expressed human recombinant protein IL-13 from supplier 1 at 0.2 µg

**Lane 2**: E. coli expressed human recombinant protein IL-13 from supplier 1 at 0.3 µg

**Lane 3**: E. coli expressed human recombinant protein IL-13 from supplier 2 at 0.2 µg

**Lane 4**: E. coli expressed human recombinant protein IL-13 from supplier 2 at 0.3 µg

**Lane 5**: E. coli expressed human recombinant protein IL-13 from supplier 3 at 0.2 µg

**Lane 6**: E. coli expressed human recombinant protein IL-13 from supplier 3 at 0.3 µg

**Lane 7**: E. coli expressed human recombinant protein IL-13 from supplier 3 at 0.4 µg

**Secondary**

**All lanes**: HRP conjugated goat anti-rabbit at 1/2000 dilution

Developed using the ECL technique.
Performed under non-reducing conditions.

Observed band size: 10 kDa
why is the actual band size different from the predicted?
Additional bands at: 26 kDa (possible dimer)

Exposure time: 5 minutes

15% denaturing gel. Blot was blocked with 2% milk for 16 hours at 4°C and incubated with the primary antibody for 1 hour at 25°C.

IHC image of IL-13 staining in human testis formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab9576, 1μg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

Calibration curve of a sandwich assay for IL-13 using ab9576 as a detection antibody at a concentration of 0.5μg/ml.

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

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