Datasheet: AHP455G

### Product Details

<table>
<thead>
<tr>
<th>Description</th>
<th>RABBIT ANTI HUMAN INTERLEUKIN-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>IL-17</td>
</tr>
<tr>
<td>Other names</td>
<td>IL-17A</td>
</tr>
<tr>
<td>Format</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Isotype</td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

**RRID**  
AB_2124883

### Applications

<table>
<thead>
<tr>
<th>Applications</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Cytometry</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Immunohistology - Frozen</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Immunohistology - Paraffin (1)</strong></td>
<td>0.25ug/ml</td>
</tr>
<tr>
<td><strong>ELISA</strong></td>
<td>0.5 - 2.0ug/ml</td>
</tr>
<tr>
<td><strong>Immunoprecipitation</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Western Blotting</strong></td>
<td>0.1 - 0.2ug/ml</td>
</tr>
<tr>
<td><strong>Immunofluorescence</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Functional Assays (2)</strong></td>
<td>0.93 - 1.3ug/ml</td>
</tr>
</tbody>
</table>

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

1. **This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**
2. **To yield one-half maximal inhibition [ND50] of the biological activity of hIL-17A (50.0 ng/ml).**

### Target Species

Human

### Product Form

Purified IgG - lyophilised

### Reconstitution

Reconstitute with 0.1ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

N.B. For functional studies do not add sodium azide

### Antiserum Preparation

Antisera to human IL-17 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared by antigen affinity chromatography
**Buffer Solution**  Phosphate buffered saline

**Preservative Stabilisers**  None present

**Approx. Protein Concentrations**  IgG concentration 1.0 mg/ml after reconstitution

**Immunogen**  Recombinant human IL-17

**External Database Links**
- UniProt: Q16552  Related reagents
- Entrez Gene: 3605  IL17A  Related reagents

**Synonyms**  CTLA8, IL17

**Specificity**  Rabbit anti Human Interleukin-17 antibody recognizes human IL-17 (Interleukin-17/17A), also known as Cytotoxic T-lymphocyte-associated antigen 8 or CTLA-8. Interleukin-17 is a homodimer of two 132 amino acid chains resulting in a ~32 kDa disulfide-linked cytokine belonging to the IL-17 family (classified as IL-17A to IL-17F) which signals through the IL-17 receptor (IL-17R/CDw217).

IL-17 is produced primarily by activated CD4+ T cells and induces a variety of target cells to secrete inflammatory cytokines, including IL-1beta, IL-6, TNF-alpha, IFN-gamma, and granulocyte colony-stimulating factor, as well as synergizing with other inflammatory cytokines and agonists. The role of IL-17 in bone metabolism has become a focus area for studies into Rheumatoid Arthritis, in which levels of IL-17 are significantly increased and may contribute to bone destruction (Ziolkowska et al. 2000).

**ELISA**  This purified human IL-17 antibody may be used in an ELISA with recombinant human IL-17 (PHP098) as the standard.

**Western Blotting**  This antibody may be used in Western Blotting under either reducing or non-reducing conditions with recombinant human IL-17 (PHP098) as the positive control.

**References**

**Further Reading**

**Storage**  Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee 6 months from date of reconstitution.


Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) **FITC**
- Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
- Goat Anti Rabbit IgG (Fc) (STAR121...) **Biotin, FITC, HRP**
- Sheep Anti Rabbit IgG (STAR35...) **RPE**
- Sheep Anti Rabbit IgG (2AB02...) **Biotin**
- Sheep Anti Rabbit IgG (STAR36...) **DyLight®488, DyLight®680, DyLight®800**

Recommended Positive Controls

RECOMBINANT HUMAN INTERLEUKIN-17 (PHP098)

Recommended Useful Reagents

- ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025A)
- ANTIGEN RETRIEVAL BUFFER, pH8.0 (BUF025C)
- TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)