

**Anti-Human IL-4 Antibody**  
**Catalog # ABG10279****Specification**

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**Anti-Human IL-4 Antibody - Product Information**

Application	<b>WB, IHC, E</b>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**Anti-Human IL-4 Antibody - Additional Information****Preparation**

Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hIL-4. Anti-Human IL-4 specific antibody was purified by affinity chromatography employing immobilized hIL-4 matrix.

**WesternBlot**

To detect hIL-4 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-4 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

**Sandwich**

To detect hIL-4 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems's Biotinylated Anti-Human IL-4 (60-004BT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-4.

**Immunohistochemistry**

This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 0.25 µg/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Additional protein blocks were used in conjunction with the secondary reagents. Optimal concentrations and conditions may vary.

**Neutralization**

To yield one-half maximal inhibition [**ND**"><sub>50</sub></span>] of the biological activity of hIL-4 (1.50 ng/ml), a concentration of 0.03 - 0.05 µg/ml of this antibody is required.

**Formulation**

A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.

**Reconstitution**

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

**Storage**

-20°C

**Precautions**

Anti-Human IL-4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### **Anti-Human IL-4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-Human IL-4 Antibody - Images**