

Anti-Human Cardiotrophin-1 Antibody
Catalog # ABG10045**Specification**

Anti-Human Cardiotrophin-1 Antibody - Product Information

Application	WB, IHC, E
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Anti-Human Cardiotrophin-1 Antibody - Additional Information**Preparation**

Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hCT-1 (human Cardiotrophin-1). Anti-Human CT-1 specific antibody was purified by affinity chromatography employing immobilized hCardiotrophin-1 matrix.

WesternBlot

To detect hCT-1 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 hCT-1 is 1.5-3.0 ng/lane, under reducing or non-reducing conditions.

Sandwich

To detect hCT-1 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 CT-1 (60-094BT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hCT-1.

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. Optimal concentrations and conditions may vary.

Neutralization

To yield one-half maximal inhibition [**ND**">₅₀] of the biological activity of hCardiotrophin-1 (15 ng/ml), a concentration of 0.25-0.40 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 Cardiotrophin-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Human Cardiotrophin-1 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 Cardiotrophin-1 Antibody - Images