

Anti-Human VEGF Antibody
Catalog # ABG10575

Specification

Anti-Human VEGF Antibody - Product Information

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

Anti-Human VEGF Antibody - Additional Information

Preparation

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

WesternBlot

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

Sandwich

To detect hVEGF 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 VEGF (60-342GBT) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hVEGF.

Immunohistochemistry

This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 5.0 µg/ml-15.0 µg/ml with a 30-minute incubation at room temperature or an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. This antibody was also tested in an HRP-biotin labeling detection system. 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 hVEGF (10 ng/ml), a concentration of 0.05 - 0.1 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 VEGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Human VEGF 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 VEGF Antibody - Images