

# Anti-Human VEGF Antibody

Catalog # ABG10575

## Product Information

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

## Additional Information

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| <b>Preparation</b>          | 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.                                                                                                                                                                                                                                                                                                                                                   |
| <b>WesternBlot</b>          | To detect hVEGF by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 $\mu$ g/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.                                                                                                                                                                                                                                                              |
| <b>Sandwich</b>             | To detect hVEGF by sandwich ELISA (using 100 $\mu$ l/well antibody solution) a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with BioGems' 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.                                                                                                                                                                                  |
| <b>Immunohistochemistry</b> | This antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentrations are 5.0 $\mu$ g/ml-15.0 $\mu$ g/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. |
| <b>Neutralization</b>       | To yield one-half maximal inhibition [ $ND_{50}$ ] of the biological activity of hVEGF (10 ng/ml), a concentration of 0.05 - 0.1 $\mu$ g/ml of this antibody is required.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Formulation</b>          | A sterile filtered antibody solution was lyophilized from PBS, pH 7.2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution</b>       | Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>              | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Precautions</b>          | Anti-Human VEGF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.