



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human VEGF Antibody

Catalog No.
IP-01-125

Species:
Human

Isotype:
Mouse IgM

Description

VEGF is a dimeric glycoprotein with structural homology to PDGF. Several variants of VEGF have been described that arise by alternative mRNA splicing. It has been speculated that VEGF may function as a tumor angiogenesis factor in vivo because the expression pattern of VEGF is consistent with a role in embryonic angiogenesis. VEGF mRNA is formed in some primary tumors, VEGF is produced by tumor cell lines in vitro and VEGF mitogenic activity appears to be restricted to endothelial cells. A member of the PDGF receptor family, Flt, has been identified as a high-affinity receptor for VEGF.

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	•			1:10,000
Western Blotting	•			
Immunohistochemistry			•	
Immunoprecipitation	•			
Flow Cytometry			•	
Intracellular staining			•	
Neutralization			•	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Preparation

Immunogen was recombinant protein derived from human VEGF. This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with the immunogen. The IgG fraction of tissue culture supernatant was purified by boric acid precipitation.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Reconstitution

Supplied as purified antibody. Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use. Its final concentration is 1.0 mg/ml in PBS. **Please avoid freeze-thaw cycles.**

Storage

In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C, and minimize freezing and thawing when use.

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