

# Product Data Sheet

## Purified anti-VEGF

**Catalog # / Size:** 627501 / 50 µl (5 Western blots)  
627502 / 200 µl (20 Western blots)

**Clone:** Poly6275

**Isotype:** Rabbit IgG

**Immunogen:** Peptide mapping to a domain near the N-terminus

**Reactivity:** Human

**Preparation:** The antibody was purified by antigen-affinity chromatography.

**Formulation:** This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin.

**Storage:** Upon receipt, store undiluted at 4°C.

## Applications:

**Applications:** WB - *Quality tested*

**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Description:** VEGF, also known as vascular endothelial growth factor, vasculotropin, and vascular permeability factor, is a widely expressed mitogen for vascular endothelial cells that has been shown to promote angiogenesis and increase permeability of capillary blood vessels. VEGF is a member of the platelet-derived growth factor (PDGF) family and is produced as a homodimeric protein with approximate molecular weights of 34-46 kD. The variance in molecular weight is a result of alternative splicing events that encode monomeric proteins having 121, 165, 189 or 206 amino acids. VEGF121 and VEGF165 are secreted proteins whereas VEGF189 and VEGF206 are strongly cell-associated. VEGF binds to VEGF-R1 (also known as Flt-1) and VEGF-R2 (also known as KDR). Inhibition of VEGF binding to VEGF-Rs has been the focus of a number of tumor therapeutic strategies. The Poly6275 antibody recognizes the N-terminal region of human VEGF has been shown to be useful for Western blotting of both reduced and non-reduced VEGF.

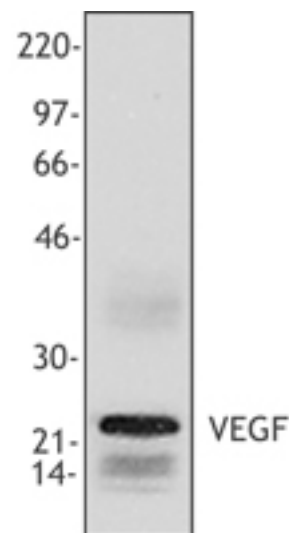
**Antigen References:**

1. Connolly DT, *et al.* 1989. *J. Clin. Invest.* 84:1470.
2. Drake CJ, *et al.* 1995. *Proc. Natl. Acad. Sci. USA* 92:7657.
3. Houck KA, *et al.* 1991. *Mol. Endocrinol.* 5:1806.

**Related Products:** **Product**  
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

**Clone**  
Poly4064

**Application**  
ELISA, IHC, WB



Human recombinant VEGF 165 produced in yeast was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-VEGF polyclonal antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system. This antibody detects reduced VEGF consistent with the molecular weight shown (approximately 22-24 kD) as well as unreduced VEGF (data not shown).



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