

Product datasheet for **PP1113P2**

Vegfa Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of Murine VEGF (50.0 ng/ml), a concentration of 1.0-2.0 µg/ml of this antibody is required. Sandwich ELISA: To detect Murine VEGF by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antibody, in conjunction with biotinylated Anti-Murine VEGF (PP1113B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Murine VEGF. Western Blot: To detect Murine VEGF 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 mVEGF is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml for 1h at RT (Previous Lots). Staining of Formalin-Fixed, Paraffin-Embedded Sections of normal Murine Kidney using a secondary Fluorophore conjugated antibody for 30 min at RT. High pH heat induced antigen retrieval is recommended.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	E.coli derived highly pure (> 98%) recombinant Murine VEGF
Specificity:	Reacts with Vascular Endothelial Growth Factor (VEGF).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vascular endothelial growth factor A
Database Link:	Entrez Gene 22339 Mouse Q00731
Background:	VEGF (vascular endothelial growth factor) is a homodimeric, disulfide-linked glycoprotein involved in angiogenesis which promotes tumor progression and metastasis. It exhibits potent mitogenic and permeability inducing properties specific for the vascular endothelium. Of the four isoforms of VEGF, the smaller two, VEGF165 and VEGF121, are secreted proteins and act as diffusible agents, whereas the larger two (VEGF189 and VEGF206) remain cell associated.
Synonyms:	VEGFA, VEGF, VPF, Vascular endothelial growth factor A, Vascular permeability factor
Note:	Centrifuge vial prior to opening!