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Product datasheet for DP3520B

Vegfa Rabbit Polyclonal Antibody

Product data:

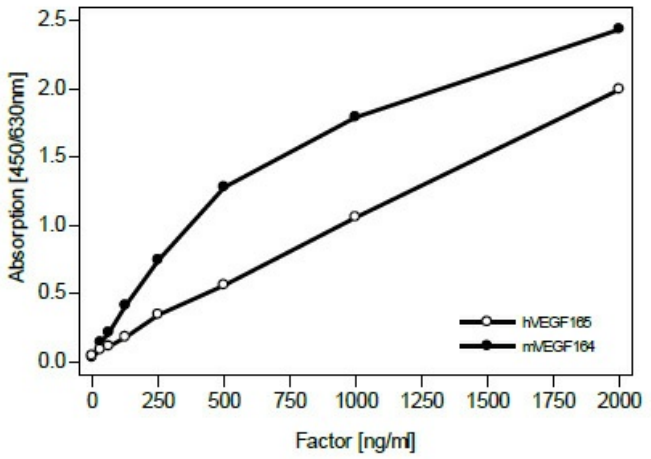
Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	**ELISA:** 1-10 µg/ml.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 95%) recombinant Murine VEGF164 Dimer derived from insect cells
Specificity:	The antibody recognizes VEGF-A.
Formulation:	PBS, pH 7.2 Label: Biotin State: Aff - Purified State: Lyophilized purified IgG fraction Stabilizer: 50x BSA Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml. Centrifuge vial prior to opening.
Purification:	Antigen Affinity Chromatography
Conjugation:	Biotin
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

View online »

Background: Mouse Vascular Endothelial Growth Factor164 (VEGF164), a 24 kDa protein consisting of 164 amino acid residues, is produced as a homodimer. VEGF164 is a polypeptide growth factor and a member of the platelet-derived growth factor family. It is a specific mitogen for vascular endothelial cells and a strong angiogenic factor in vivo. Two high-affinity tyrosine kinase receptors for VEGF164 have been identified, VEGFR-1 (FLT-1), and VEGFR-2 (Flk-1). In addition to its action as a mitogen it is a potent vascular permeability factor (VPF) in vivo and is also a chemoattractant for monocytes and endothelial cells. At least three different proteins are generated by differential splicing of the mouse VEGF gene: VEGF120, VEGF164 and VEGF188. The most abundant form is VEGF164. Whereas VEGF120 and VEGF164 are secreted proteins, VEGF188 is strongly cell-associated. In addition, the isoforms VEGF164 and VEGF188 bind to heparin with high affinity. A related protein of VEGF is placenta growth factor (PlGF) with about 53% homology and VEGF-B with similar biological activities.

Synonyms: VEGFA, VEGF, VPF, Vascular endothelial growth factor A, Vascular permeability factor

Product images:



VEGF-A Sandwich-ELISA using the Biotinylated polyclonal anti-Mouse VEGF-A antibody for detection and recombinant Human VEGF165 ([DA3514X]) and Mouse VEGF164 ([DA3518X]) as standard. A unbiotinylated Rabbit anti-Mouse VEGF-A antibody was used as capture antibody.