



Anti-VEGF polyclonal antibody [Biotin] (DPABY-674)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | View VEGF IHC images. |
| Specificity | Detects canine VEGF164 in ELISAs and Western blots. In sandwich immunoassays, 100% cross-reactivity with recombinant human VEGF is observed and less than 2% cross-reactivity with recombinant rat VEGF and recombinant mouse VEGF is observed. |
| Immunogen | E. coli-derived recombinant canine VEGF164. Pro28-Arg190 Accession Number NP_001103972 |
| Isotype | IgG |
| Source/Host | Goat |
| Species Reactivity | Dog |
| Purification | Antigen Affinity-purified |
| Conjugate | Biotin |
| Applications | Western Blot, Immunocytochemistry, ELISA Detection (Matched Pair) |
| Format | Liquid |
| Size | 50 µg |
| Buffer | Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody. |
| Preservative | None |
| Storage | Lyophilized samples are stable for twelve months from date of receipt when stored at -20 °C to |

-70 °C. Upon reconstitution, the antibody can be stored at 2 °C to - 8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at - 20 °C to -70 °C in a manual defrost freezer for six months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

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| Gene Name | VEGFA vascular endothelial growth factor A [Canis lupus familiaris (dog)] |
| Official Symbol | VEGFA |
| Synonyms | VEGFA; VEGF; vascular endothelial growth factor A; VPF; VEGF-A; vascular permeability factor; vascular endothelial growth factor 188; |
| Entrez Gene ID | 403802 |
| Protein Refseq | NP_001003175 |
| UniProt ID | Q9MYV3 |
| Chromosome Location | chromosome: 12 |
| Pathway | Bladder cancer; Cellular response to hypoxia; Cellular responses to stress; Cytokine-cytokine receptor interaction; Focal adhesion; HIF-1 signaling pathway; Hemostasis; Id Signaling Pathway; |
| Function | chemoattractant activity; cytokine activity; fibronectin binding; growth factor activity; heparin binding; platelet-derived growth factor receptor binding; receptor agonist activity; vascular endothelial growth factor receptor 1 binding; vascular endothel |