

VenicMAb™ Caninized Anti-Canine VEGF Monoclonal Antibody-V21**Cat. No.: VDQ5M4****Product Type: Animal-targeted Antibodies****Size: 0.1 mg; 0.5 mg; 1 mg****Product Overview**

BioVenic's VenicMAb™ Caninized Anti-Canine VEGF Monoclonal Antibody V21 was produced using recombinant antibody technology by caninized modifying the sequence of anti human VEGF monoclonal antibody.

Specifications

Clonality	Monoclonal Antibody
Classification	Primary Antibody
Host	Recombinant
Target Species	Canine
Specificity	Canine VEGF
Isotype	Canine IgG2 kappa
Purification	Protein A Purified
Purity	≥ 95% (HPLC)
Conjugation	Unconjugated
Buffer	PBS
Physical State	Liquid

Target Information

Canine Vascular Endothelial Growth Factor (VEGF) is a crucial protein involved in angiogenesis, the process by which new blood vessels form from pre-existing ones. This protein plays a significant role in both normal physiological processes and pathological conditions, such as cancer, where it promotes tumor growth by enhancing blood supply. Anti-canine VEGF monoclonal antibodies could be targeted therapies specifically bind to VEGF, inhibiting its activity and thereby preventing tumor vascularization. This could be a potential approach that holds promise for improving cancer treatment outcomes in dogs, offering a more effective and targeted strategy to manage malignancies.

Target	Canine VEGF
Target Synonym	Vascular endothelial growth factor A; Vascular permeability factor (VPF); VEGFA

Gene ID [403802](#)

UniProt ID [Q9MYV3](#)

Shipping and Storage

This product is shipped with dry ice. It is recommended to store at -80 °C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Maiolini, Arianna, *et al.* "Interleukin-6, vascular endothelial growth factor and transforming growth factor beta 1 in canine steroid responsive meningitis-arteritis." *BMC Veterinary Research* 9 (2013): 1-10.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.