

Mouse Anti-Canine TNF-alpha Monoclonal Antibody

Cat. No.: VD12Q3

Product Type: Animal-targeted Antibodies

Size: 100 µL

Product Overview

BioVenic mouse anti-canine TNF-alpha monoclonal antibody is specific for canine TNF-alpha. It was produced in mouse hybridoma and protein A purified. It can be applied to ELISA assay.

Specifications

Application	ELISA
Clonality	Monoclonal Antibody
Clone	D7Q6
Host	Mouse
Target Species	Canine
Species Reactivity	Canine
Specificity	Canine TNF-alpha
Isotype	IgG1
Immunogen	Recombinant Canine TNF-alpha Protein
Purification	Protein A Purified
Purity	≥ 95% (SDS-PAGE)
Conjugation	Unconjugated
Buffer	Phosphate buffered saline
Physical State	Liquid

Target Information

Canine TNF tumor necrosis factor (TNF) plays an important role in the dog's immune response by managing the activities of receptors, cytokines, and transcription factors. It initiates death receptors for the extrinsic apoptotic signaling pathway and positively regulates the NF-kappaB transcription factor activity and RNA polymerase II. Its contribution to the immune response supports the tumor necrosis factor-mediated signaling pathway. Physically, it can be found on the cell surface, in extracellular spaces, and within the c

ell membrane. Certain variations of this gene have been associated with obesity in Labradors, and abnormal levels have been linked to severe outcomes in dogs with leptospirosis.

Target	Canine TNF-alpha
Target Synonym	TNF-a;TNF-alpha;tumor necrosis factor (TNF superfamily, member 2)
Gene ID	403922
UniProt ID	P51742

Shipping and Storage

This product is shipped with dry ice. Store at -20°C to -80°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Josephs, Steven F., *et al.* "Unleashing endogenous TNF-alpha as a cancer immunotherapeutic." *Journal of translational medicine* 16 (2018): 1-8.

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.