

Frunevetmab

Cat. No.:	HY-P99627
CAS No.:	1708936-80-4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Frunevetmab (NV-02) is a felinized anti-nerve growth factor (NGF) monoclonal antibody with a K_D of 20 pM. Frunevetmab can effectively decrease osteoarthritis (OA) pain in cats ^{[1][2]} .	
IC₅₀ & Target	Kd: 20 pM (NGF) ^[2]	
In Vitro	Frunevetmab (NV-02) neutralizes NGF with high affinity and potency and does not bind complement ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	Frunevetmab (1.0-2.8 mg/kg; s.c; on days 0, 28, and 56) shows positive treatment effects in cats with naturally-occurring OA pain and associated mobility impairment and disability ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Cats with naturally-occurring OA pain and associated mobility impairment and disability ^[1]
	Dosage:	1.0-2.8 mg/kg
	Administration:	s.c; 3 times at 28-day intervals; on days 0, 28, and 56
	Result:	Relieved the pain from osteoarthritis in cats.

REFERENCES

[1]. Margaret E Gruen, et al. Frunevetmab, a felinized anti-nerve growth factor monoclonal antibody, for the treatment of pain from osteoarthritis in cats. J Vet Intern Med. 2021 Nov;35(6):2752-2762.

[2]. Margaret E Gruen, et al. Frunevetmab, a felinized anti-nerve growth factor monoclonal antibody, for the treatment of pain from osteoarthritis in cats. J Vet Intern Med. 2021 Nov;35(6):2752-2762.

[3]. D P Gearing, et al. In Vitro and In Vivo Characterization of a Fully Felinized Therapeutic Anti-Nerve Growth Factor Monoclonal Antibody for the Treatment of Pain in Cats. J Vet Intern Med. 2016 Jul;30(4):1129-37.

Caution: Product has not been fully validated for medical applications. For research use only.

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