

Etanercept

Cat. No.:	HY-108847
CAS No.:	185243-69-0
Target:	TNF Receptor; Bacterial
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Etanercept, a dimeric fusion protein that binds TNF, acts as a TNF inhibitor. Etanercept competitively inhibits the binding of both TNF- α and TNF- β to cell surface TNF receptors, rendering TNF biologically inactive. Etanercept shows efficacy against rheumatoid arthritis, juvenile idiopathic arthritis, and plaque psoriasis ^{[1][2][3]} .	
IC₅₀ & Target	Fas	
In Vivo	Etanercept (10 mg/kg; s.c.; every 3 days for 3 weeks) significantly decreases the mean arthritis scores and radiological score [4]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Six-week-old male Lewis rats (adjuvant-induced arthritis (AIA) model) ^[4]
	Dosage:	10 mg/kg
	Administration:	S.c.; every 3 days for 3 weeks
	Result:	Significantly decreased the mean arthritis scores; Significant decreased in radiological score at the end of the treatment period.

CUSTOMER VALIDATION

- Genes Dis. 20 June 2022.

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REFERENCES

- [1]. Goffe B, et al. Etanercept: An overview. J Am Acad Dermatol. 2003;49(2 Suppl):S105-S111.
- [2]. Goldenberg MM. Etanercept, a novel drug for the treatment of patients with severe, active rheumatoid arthritis. Clin Ther. 1999;21(1):75-2.

[3]. Totoson P, et al. Etanercept improves endothelial function via pleiotropic effects in rat adjuvant-induced arthritis. *Rheumatology (Oxford)*. 2016;55(7):1308-1317.

[4]. Haraoui B, et al. Etanercept in the treatment of rheumatoid arthritis. *Ther Clin Risk Manag*. 2007;3(1):99-105.

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

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