

## Secukinumab

Cat. No.:	HY-P9927
CAS No.:	1229022-83-6
Target:	Interleukin Related
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## Secukinumab

### BIOLOGICAL ACTIVITY

<b>Description</b>	Secukinumab (AIN457) is a high affinity, human monoclonal antibody targeted against interleukin (IL)-17A. Secukinumab is the first-in-class anti-IL-17 agent used for the research of plaque psoriasis, ankylosing spondylitis and psoriatic arthritis <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IL-17A
<b>In Vitro</b>	Secukinumab is a fully human monoclonal antibody that selectively binds to and neutralizes interleukin-17A <sup>[2]</sup> . Secukinumab (1 nM, 10 nM, and 100 nM) inhibits IL17A and IL17A/TNF a-induced increase in protein levels of IL6 in human astrocytes <sup>[3]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Shirley M, et al. Secukinumab: A Review in Psoriatic Arthritis. *Drugs*. 2016;76(11):1135-1145.
- [2]. Reich K, et al. Secukinumab dosing optimization in patients with moderate-to-severe plaque psoriasis: results from the randomized, open-label OPTIMISE study. *Br J Dermatol*. 2020;182(2):304-315.
- [3]. Elain G, et al. The selective anti-IL17A monoclonal antibody secukinumab (AIN457) attenuates IL17A-induced levels of IL6 in human astrocytes. *Glia*. 2014;62(5):725-735.

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

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