

Anti-IL-17A hlgG1 Antibody(Secukinumab)

Product information

GM-27267AB-10	10 µg
GM-27267AB-100	100 µg
GM-27267AB-1000	1 mg

Antibody Information

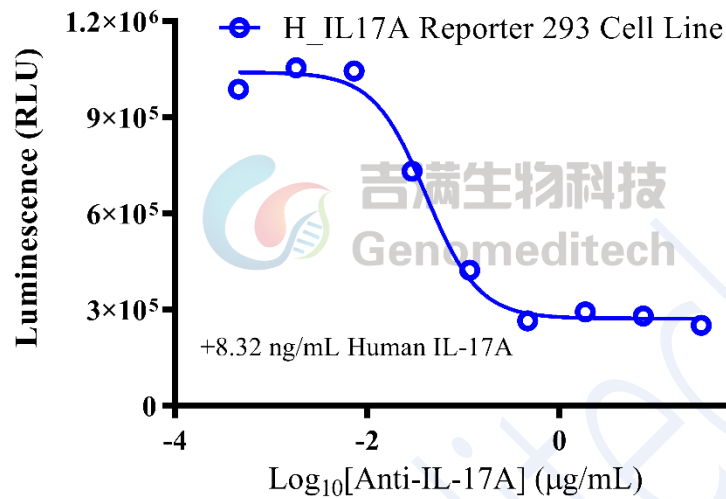
Species Reactivity	Human
Clone	Secukinumab
Source/Isotype	Monoclonal Human IgG1 /k
Application	Block assay
Specificity	Detects IL-17A
Gene	IL-17A
Other Names	CTLA-8, CTLA8, IL17A, IL17, ILA17
Gene ID	3605
Background	<p>This gene is a member of the IL-17 receptor family which includes five members (IL-17RA-E) and the encoded protein is a proinflammatory cytokine produced by activated T cells. IL-17A-mediated downstream pathways induce the production of inflammatory molecules, chemokines, antimicrobial peptides, and remodeling proteins. The encoded protein elicits crucial impacts on host defense, cell trafficking, immune modulation, and tissue repair, with a key role in the induction of innate immune defenses. This cytokine stimulates non-hematopoietic cells and promotes chemokine production thereby attracting myeloid cells to inflammatory sites. This cytokine also regulates the activities of NF-kappaB and mitogen-activated protein kinases and can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). IL-17A plays a pivotal role in various infectious diseases, inflammatory and autoimmune disorders, and cancer. High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. The lung damage induced by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is to a large extent, a result of the inflammatory response promoted by cytokines such as IL17A.</p>
Storage	Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.1 Revision Date:12/29/2023

Data Examples

Block assay

Anti-IL-17A hlgG1 Antibody(Secukinumab) (Catalog # GM-27267AB) inhibits H_IL17 Reporter 293 Cell Line (Catalog # GM-C06721) Luminescence induced by Recombinant Human IL-17A. IC50 for this effect is 0.4123 $\mu\text{g}/\text{mL}$.



	H_IL17A Reporter 293 Cell Line
IC50	0.04123

Fig 1. Assay