

# Anti-IL17A×IL17F hIgG1 Bispecific Antibody(VH1-1-VL5)

## Product information

GM-88269AB-10	10 µg
GM-88269AB-100	100 µg
GM-88269AB-1000	1 mg

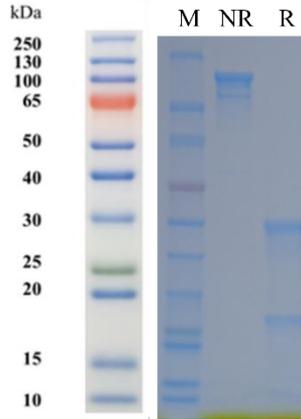
## Antibody Information

Species Reactivity	Human
Clone	VH1-1-VL5
Source/Isotype	Human IgG1 (KDEL), Kappa
Application	/
Specificity	Detects IL17A、 IL17F
Gene	IL17A&IL17F
Other Names	IL17A: IL-17A,Interleukin-17A,CTLA-8,IL-17 IL17F: CANDF6, IL-17F, ML-1, ML1
Gene ID	IL17A: 3605 (human) IL17F: 112744 (human)
Background	IL17A and IL17F are central targets in the interleukin-17 family that synergistically drive autoimmune inflammation. The IL17A gene is located in the p12.1 region of human chromosome 6 and encodes a proinflammatory cytokine of 155 amino acids, which induces the secretion of inflammatory mediators such as IL-6 and CXCL8 through the activation of the NF-κB/MAPK pathway, and enhances the secretion of IL-6 and CXCL8, it drives neutrophil infiltration with epidermal proliferation in diseases such as rheumatoid arthritis and psoriasis; the IL17F gene is localized at 6p12.2, encoding a 163-amino acid homo/heterodimeric ligand, and the IL17F gene has been implicated in the pathogenesis of rheumatoid arthritis and psoriasis, after binding to the IL-17RA/RC receptor complex, it regulates antimicrobial peptide production and matrix remodeling by recruiting ACT1 adaptor proteins, which plays a key role in airway hyperresponsiveness in asthma and osteophyte formation in ankylosing spondylitis. They have 50% amino acid homology and can form three kinds of active dimers of IL-17A/A, IL-17A/F and IL-17F/F, which jointly mediate the chronic inflammatory cascade mediated by Th17 cells.

Version:3.1

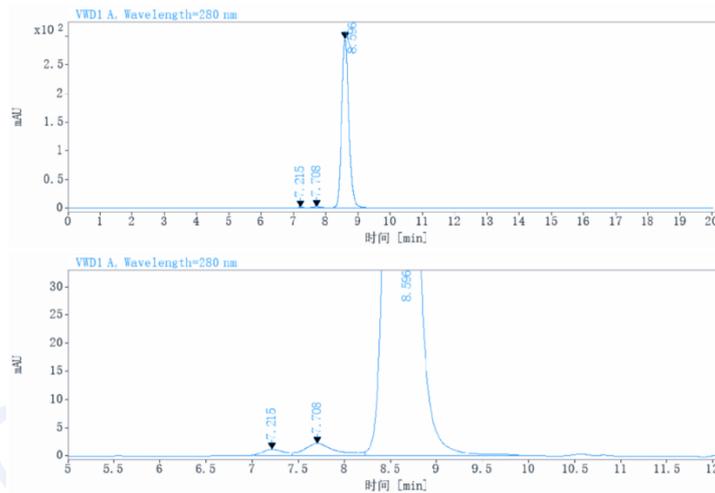
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

**SDS-PAGE**



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**SEC-HPLC**



The purity of this product is more than 95% verified by SEC-HPLC.