

Anti-IL18 hlgG1 Antibody(CMK389)

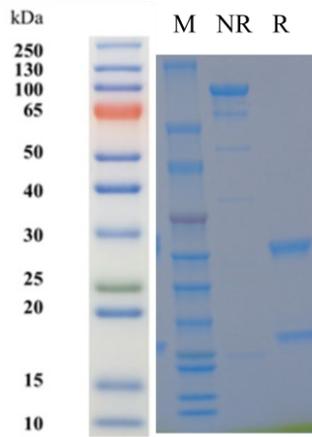
Product information

GM-88326AB-10	10 µg
GM-88326AB-100	100 µg
GM-88326AB-1000	1 mg

Antibody Information

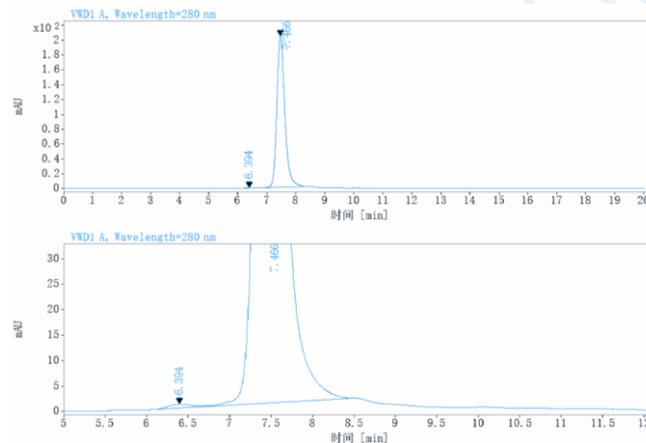
Species Reactivity	Human
Clone	CMK389
Source/Isotype	Human IgG1(K214R,L234A,L235A, D356E,L358M), Kappa
Application	/
Target	Detects IL18
Gene	IL18
Other Names	IGIF, IL-18, IL-1g, IL1F4
Gene ID	3606 (Human)
Background	Interleukin-18 (IL-18) is a pro-inflammatory cytokine that plays a pivotal role in the immune response. It is produced as an inactive precursor and activated by proteolytic processing, enabling it to promote the production of interferon-gamma (IFN-γ) and amplify Th1 immune responses. IL-18 works in concert with IL-12 to enhance natural killer (NK) cell activity and T-cell activation, contributing to defenses against intracellular pathogens. Beyond its protective roles, dysregulated IL-18 signaling has been implicated in inflammatory and autoimmune conditions, making it a target for therapeutic intervention in diseases such as rheumatoid arthritis, inflammatory bowel disease, and metabolic disorders. Owing to its broad involvement in inflammation, IL-18 is studied as both a biomarker of disease activity and a potential candidate for cytokine-modulating therapies.
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.