

Anti-IL1A hlgG1 Antibody(bermekimab)

Product information

GM-88365AB-10	10 µg
GM-88365AB-100	100 µg
GM-88365AB-1000	1 mg

Antibody Information

Species Reactivity	Cynomolgus
Clone	bermekimab
Source/Isotype	Human IgG1 (K214R/D356E/L358M), Kappa
Application	Bioactivity-ELISA
Target	Detects IL1A
Gene	IL1A
Other Names	IL-1 alpha, IL-1A, IL1, IL1-ALPHA, IL1F1
Gene ID	9541 (Cynomolgus)
Background	The IL1A gene encodes interleukin-1 α (il-1 α) , a key mediator of innate immunity and inflammatory responses. It is rapidly released by keratinocyte after skin damage, initiates downstream pro-inflammatory signaling pathways by binding and activating the IL-1R1/IL-1RAP receptor complex, and promotes the activation of the IL-1R1/IL-1RAP receptor, plays a central driving role in the pathogenesis of chronic inflammatory diseases such as atopic dermatitis (AD) . Bermekimab is a humanized monoclonal antibody developed to target this mechanism. Its central role is to specifically and high-affinity bind to il-1 α , thereby blocking the interaction of il-1 α with its receptor and inhibiting the resulting inflammatory cascade from the source.
Storage	Store at 2-8°C short term (1-2 weeks).Store at \leq -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Cynomolgus IL-1 alpha Protein; His Tag (Catalog # GM-88338RP) was immobilized at 2 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$). Increasing concentrations of Anti-IL1A hIgG1 Antibody (bermekimab) (Catalog # GM-88365AB) were added.

Bioactivity-ELISA

0.2 μg Cynomolgus IL-1 alpha Protein; His Tag of per well

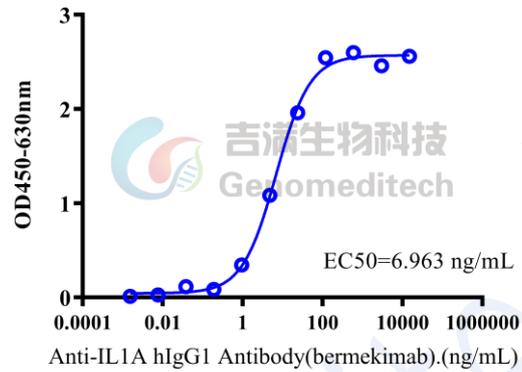


Fig. ELISA