

Anti-IL1B×IL1A hIgG1 Bispecific Antibody(lutikizumab)

Product information

GM-88265AB-10	10 µg
GM-88265AB-100	100 µg
GM-88265AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	lutikizumab
Source/Isotype	Human IgG1(L234A,L235A,D356E,L358M), kappa
Application	Bioactivity-ELISA
Target	Detects IL1B / IL1A
Gene	IL1B; IL1A
Other Names	IL1B: IL-1, IL1-BETA, IL1F2, IL1beta IL1A: IL-1 alpha, IL-1A, IL1, IL1-ALPHA, IL1F1
Gene ID	IL1B (3553);IL1A (3552)
Background	IL1A and IL1B belong to the same IL-1 cytokine family and are located adjacent to the Q13 region of human chromosome 2. Lutikizumab is an anti-il-1 α and il-1 β bivariate domain immunoglobulin that centrally targets two key proinflammatory cytokines, il-1 α and il-1 β , and has been shown to inhibit the production of il-1 α and il-1 β . A series of clinical studies have been carried out in the field of osteoarthritis (especially synovitis subtypes) by blocking IL-1 pathway-mediated inflammatory response through precise dual-target recognition and inhibition mechanisms, it provides a new direction for the treatment exploration of inflammatory phenotype osteoarthritis.
Storage	Store at 2-8°C short term (1-2 weeks). Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Anti-IL1B×IL1A hIgG1 Bispecific Antibody(lutikizumab) (Catalog # GM-88265AB) was immobilized at 6 µg/ml (100 µL/well). Increasing concentrations of Biotinylated Human IL-1 alpha Protein; His-Avi Tag (Catalog # GM-88251RP) were added.

Bioactivity-ELISA

0.6 µg Anti-IL1B×IL1A hIgG1 Bispecific antibody(lutikizumab) of per well

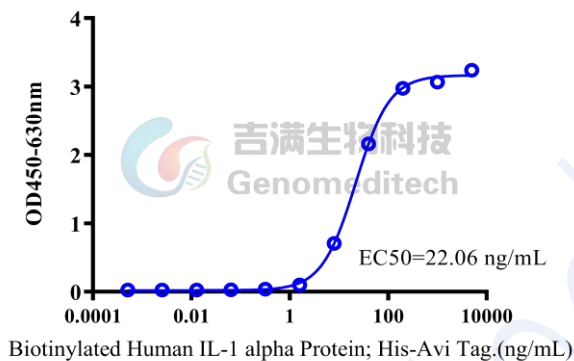


Fig. ELISA

Bioactivity-ELISA

Human IL-1 alpha Protein; His Tag (Catalog # GM-88245RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-IL1B×IL1A hIgG1 Bispecific Antibody(lutikizumab) (Catalog # GM-88265AB) were added.

Bioactivity-ELISA

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

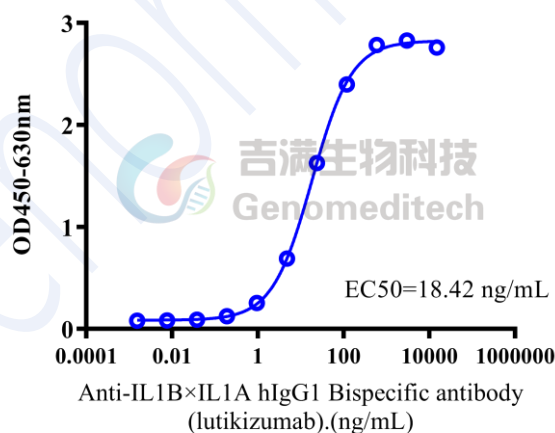


Fig. ELISA

Bioactivity-ELISA

Human IL-1 beta Protein; His Tag (Catalog # GM-88248RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-IL1B×IL1A hIgG1 Bispecific Antibody(lutikizumab) (Catalog # GM-88265AB) were added.

Bioactivity-ELISA

0.2 µg Human IL-1 beta Protein; His Tag of per well

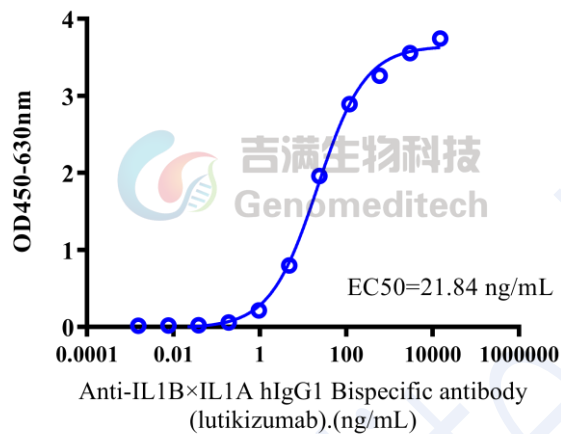


Fig. ELISA