

## Anti-IL-11 hlgG4 Antibody(Hu16E12)

### Information

GM-57288AB-10	10 µg
GM-57288AB-100	100 µg
GM-57288AB-1000	1 mg

Species Reactivity	Human
Clone	Hu16E12
Source/Isotype	Monoclonal Human IgG4 /κ
Application	Block assay; Bioactivity-ELISA
Specificity	Detects IL-11
Gene	IL-11
Other Names	AGIF; IL-11
Gene ID	3589(human)
Background	IL-11 is a cytokine belonging to the interleukin family, playing a significant role in biological processes such as immune regulation, cell proliferation, and differentiation. Its functions include promoting platelet production, enhancing osteoblast growth and differentiation, and regulating the activation and proliferation of immune cells.
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

**Data Examples**

Block assay

Anti-IL-11 hlgG4 Antibody (Catalog # GM-57288AB) inhibits H\_IL11 Reporter 293 Cell Line (Catalog # GM-C27771) Luminescence induced by Human, Recombinant IL11. IC50 for this effect is 0.005091  $\mu\text{g/mL}$ .

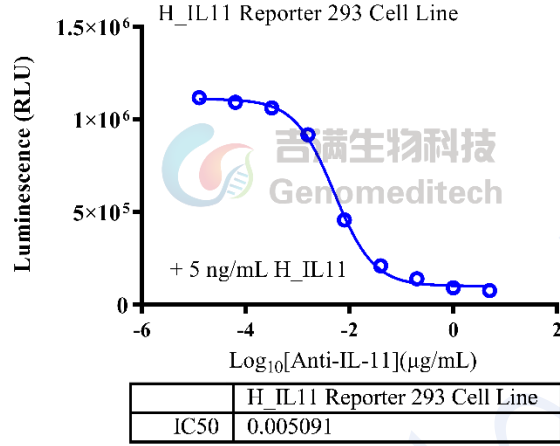


Fig 1. Assay

Bioactivity-ELISA

Biotinylated Human IL-11 Protein; His-Avi Flag Tag (Catalog # GM-87673RP) was immobilized at 1  $\mu\text{g/ml}$  (100  $\mu\text{L/well}$ ) on streptavidin precoated. Increasing concentrations of Anti-IL-11 hlgG4 Antibody(Hu16E12) (Catalog # GM-57288AB) were added.

**Bioactivity-ELISA**

0.1  $\mu\text{g}$  Biotinylated Human IL-11 Protein; His-Avi Flag Tag of per well

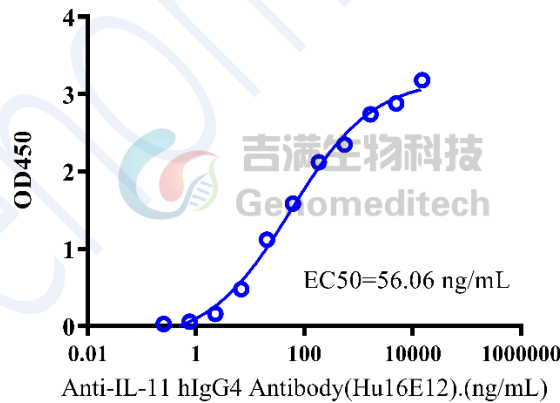


Fig 2. Assay

Bioactivity-ELISA

Human IL-11 Protein; His Tag (Catalog # GM-87734RP) was immobilized at 1  $\mu\text{g/ml}$  (100  $\mu\text{L/well}$ ). Increasing concentrations of Anti-IL-11 hIgG4 Antibody(Hu16E12) (Catalog # GM-57288AB) were added.

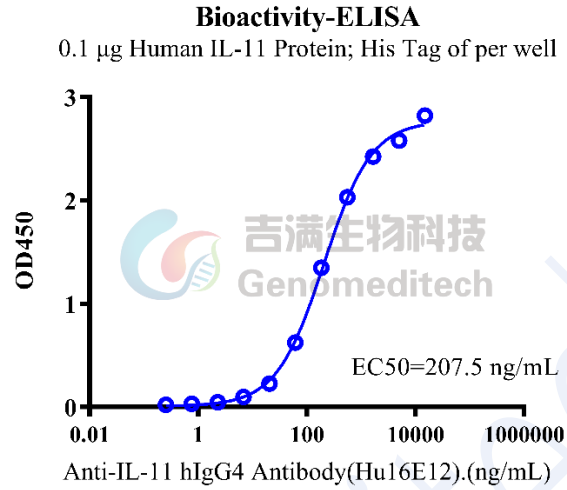


Fig 3. Assay