

Anti-BAFF hlgG1 Antibody(belimumab)

Product information

| | |
|-----------------|--------|
| GM-87690AB-10 | 10 µg |
| GM-87690AB-100 | 100 µg |
| GM-87690AB-1000 | 1 mg |

Antibody Information

| | |
|--------------------|---|
| Species Reactivity | Human; Cynomolgus; mouse |
| Clone | belimumab |
| Source/Isotype | Monoclonal human IgG1, λ |
| Application | Block assay; Bioactivity-ELISA |
| Specificity | Detects BAFF |
| Gene | BAFF |
| Other Names | TNFSF13B, BLYS, CD257, DTL, TALL-1, TALL1, THANK, TNFSF20, TNLG7A, ZTNF4 |
| Gene ID | Q9Y275 (human); A0A2K5V2X4; Q9WU72 (mouse) |
| Background | BAFF (B Lymphocyte Stimulator, also known as Blys) is an important cytokine that promotes B cell survival and proliferation. BAFF is produced by a variety of cell types, including plasma cells, dendritic cell and macrophages. BAFF supports B cell maturation, survival, and antibody production by binding to its receptors, such as BAFF-r, TACI, and BCMA. In immunology research, the development and research of BAFF antibody has attracted extensive attention, especially in autoimmune diseases and lymphoma and other pathological conditions. Increased levels of BAFF are associated with a variety of diseases, including lupus and rheumatoid arthritis, making monoclonal antibody of BAFF a potential treatment option. |
| 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 |

Version:3.2

Data Examples

Block assay

Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) inhibits H_TACI Reporter Cell Line (Catalog # GM-C35041) Luminescence induced by Human BAFF Protein; His Tag (Catalog # GM-87735RP). IC50 for this effect is 0.05142 $\mu\text{g/mL}$.

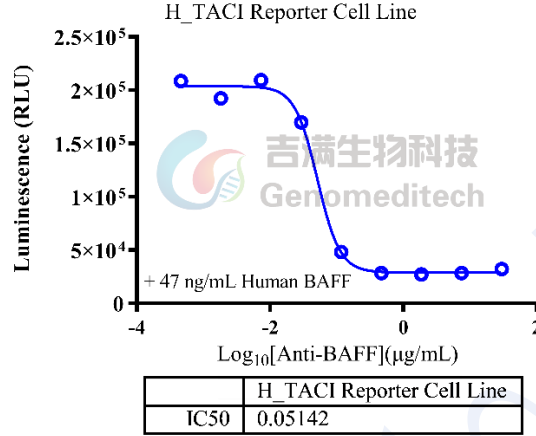


Fig. assay

Block assay

Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) inhibits H_BAFFR Reporter Cell Line (Catalog # GM-C31635) Luminescence induced by Human BAFF Protein; His Tag (Catalog # GM-87735RP). IC50 for this effect is 0.9725 $\mu\text{g/mL}$.

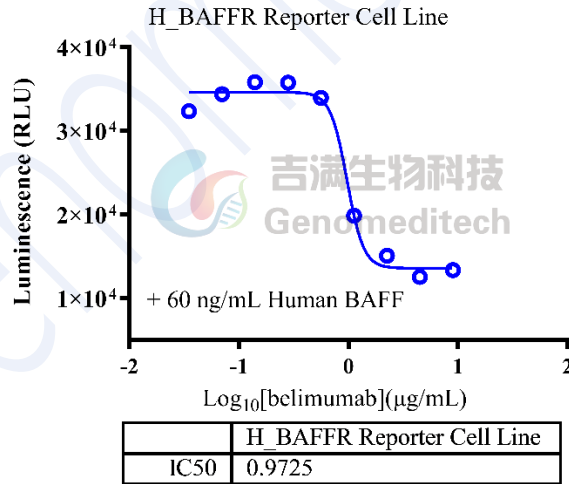


Fig. assay

Bioactivity-ELISA

Human BAFF Protein; His Tag (Catalog # GM-87735RP) was immobilized at 1 µg/ml (100 µL/well). Increasing concentrations of Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) were added.

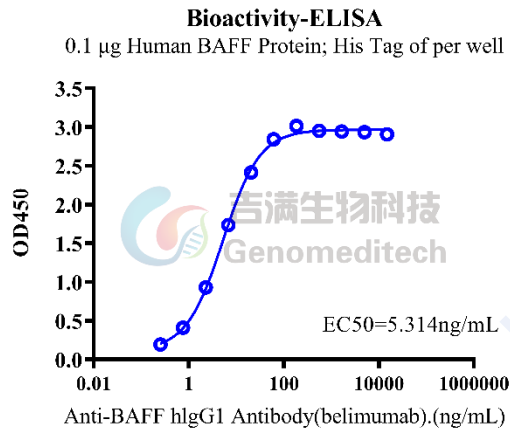


Fig. assay

Bioactivity-ELISA

Biotinylated Human BAFF Protein; His-Avi Tag (Catalog # GM-87736RP) was immobilized at 1 µg/ml (100 µL/well) on streptavidin precoated. Increasing concentrations of Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) were added.

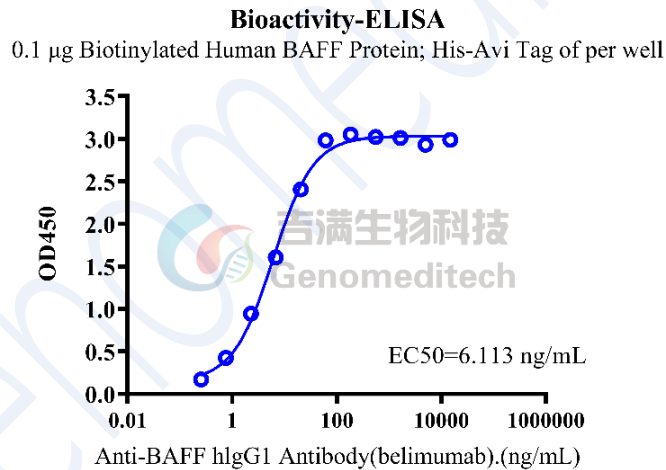


Fig. assay

Bioactivity-ELISA

Cynomolgus BAFF Protein; His Tag (Catalog # GM-87738RP) was immobilized at 1 µg/ml (100 µL/well). Increasing concentrations of Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) were added.

Bioactivity-ELISA

0.1 μ g Cynomolgus BAFF Protein; His Tag of per well

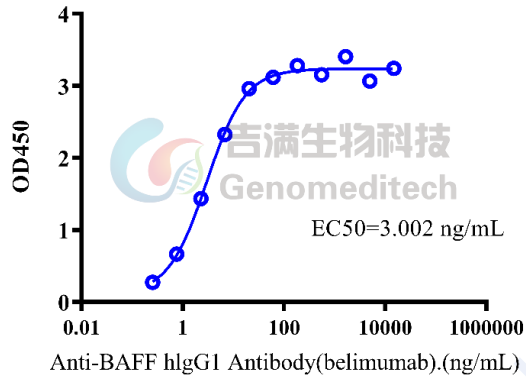


Fig. assay

Bioactivity-ELISA

Mouse BAFF Protein; His Tag (Catalog # GM-87739RP) was immobilized at 1 μ g/ml (100 μ L/well). Increasing concentrations of Anti-BAFF hlgG1 Antibody(belimumab) (Catalog # GM-87690AB) were added.

Bioactivity-ELISA

0.1 μ g Mouse BAFF Protein; His Tag of per well

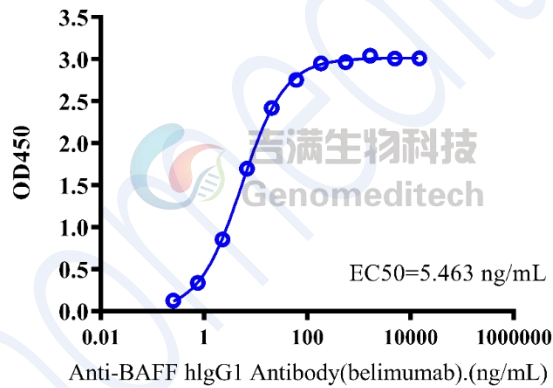


Fig. assay