

Recombinant Human IL-12

Cat. No.:MGC047 size : 10 μ g / 50 μ g / 1mg

Characteristics:

Source Chinese Hamster Ovary cell line

Description Recombinant human IL-12 is composed of P40(Ile23-Ser328) and P35(Arg23-Ser219) subunits, which linked by GS-linker (GSGSSRGGSGSGGGGGSK)
Accession # P29460(IL12P40), P29459(IL12P35)

Predicted molecular mass 59 kDa

Specification:

Appearance White powder, Colorless clear liquid after reconstitution

Purity \geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

Endotoxin \leq 0.01EU/ μ g by the LAL method

Activity Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED₅₀ for this effect is < 0.5 ng/mL.

Formulation Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Handling and Storage:

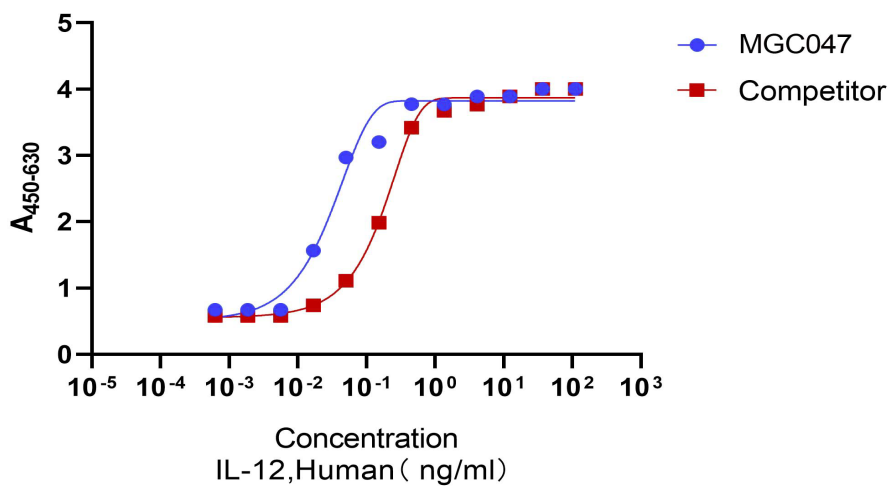
Reconstitution It is recommended to redissolve in sterile deionized water.

Shipping Wet ice (seasonal)

Storage & Stability 36 months at -20°C to -80°C in lyophilized state
6 months at -20°C to -80°C under sterile conditions after reconstitution
7-10 days at 2°C to 8°C under sterile conditions after reconstitution
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:

Bioactivity



Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED₅₀ for this effect is < 0.5 ng/mL. The activity of MGC047 was higher than other competing products.