

Recombinant Human IL-12

Catalog Number : mly04001

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 (GSGSSRGGSGSGSGGGGSK) Accession # P29460(IL12P40), P29459(IL12P35)

Predicted molecular mass	59 kDa
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Specification:

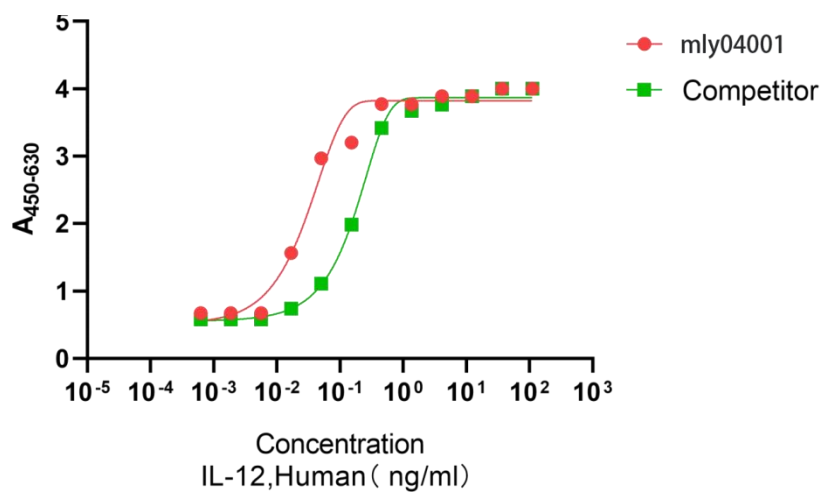
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED ₅₀ for this effect is < 0.5 ng/mL.
Formulation	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 μg/vial, 1 mg/vial

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice.
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 ED_{50} for this effect is < 0.5 ng/mL. The activity of mly04001 was higher than other competing products.