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Recombinant Human IL12

Product Number: CK04001

Characteristics:

Source: Chinese Hamster Ovary cell line

Description: Recombinant human IL-12 is composed of P40(Ile23-Ser328) and P35(Arg23-Ser219) subunits, which are linked by a GS-linker (GSGSSRGGSGSGGGGSK).

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

Predicted molecular mass: 59 kDa

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 ED50 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.