

RMCH016

Recombinant IL-15 (Interleukin-15), Human , AF

 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : IL-T**Activity:**

Measure by its ability to induce NK cells proliferation.

The ED50 for this effect is <3 pg/mL.

The specific activity of recombinant human IL-15 is approximately >5 x 10⁹ IU/mg.

Protein Description:

Interleukin-15 (IL-15) is a cytokine with structural similarity to Interleukin-2 (IL-2). Like IL-2, IL-15 binds to and signals through a complex composed of IL-2/IL-15 receptor beta chain (CD122) and the common gamma chain (gamma-C, CD132). IL-15 is secreted by mononuclear phagocytes (and some other cells) following infection by virus(es). This cytokine induces cell proliferation of natural killer cells; cells of the innate immune system whose principal role is to kill virally infected cells.

Protein Accession : P40933.1

Gene ID : 3600

Expression Sequence:

NWVNVISDLKKIEDLIQSMHIDATLYTESDVHPCKVTAMKCFLELQVISLESGDASIHDTVENLILANNLSSNGNVTESGCKECEELEE
KNIKEFLQSFVHIVQMFINTSLE with polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus

Species : Human

Reactivity : Human

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

<0.01 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 13.7 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

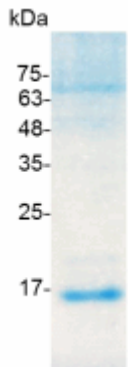
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant human IL-15