

RMCM018

Recombinant IL-21 (Interleukin-21), Mouse , AF



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

Order	021-34695924 orders@ab-mart.com
Support	400-6123-828 support1@ab-mart.com
Web	www.ab-mart.com.cn

Synonym/Alternative name(s) : Za11

Activity:

Measure by its ability to enhance IFN gamma secretion in NK-92 cells.
The ED50 for this effect is <6 ng/mL.
The specific activity of recombinant mouse IL-21 is > 1.6 x 10⁵ IU/mg.

Protein Description:

Interleukin-21 (IL21) belongs to the IL-15/IL-21 family. It is a cytokine with immunoregulatory activity. Cytokines are proteinaceous signaling compounds that are major mediators of the immune response. They control many different cellular functions including proliferation, differentiation and cell survival/apoptosis but are also involved in several pathophysiological processes including viral infections and autoimmune diseases. Interleukin-21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.

Protein Accession : Q9ES17.1

Gene ID : 60505

Expression Sequence:

MHKSSPQGPDRLLIRLRLHLDIVEQLKIYENDLDPPELLSAPQDVKGHCHEAAAFACFQKAKLKPSNPGNNKTFIIDLVAQLRRRLPARRGGK
KQKHIAKPCSDSYEKRTPKEFLERLKWLLQKMIHQHLS with polyhistidine tag at the C-terminus.

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

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>95% as determined by SDS-PAGE.
Ni-NTA chromatography.

Endotoxin level:

<0.1 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 15.9 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

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.

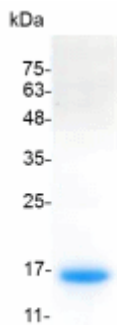
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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 mouse IL-21