

RMCM031

Recombinant IL-34 (Interleukin-34), Mouse , AF



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 5ug;20ug;100ug;500ug;**Synonym/Alternative name(s) :** 2010004A03Rik,IL34**Activity:**

Measure by its ability to induce proliferation in NFS-60 cells.

The ED50 for this effect is <30 ng/mL.

The specific activity of recombinant mouse IL-34 is > 3.3 x 10⁴ IU/mg.

Protein Description:

Interleukin-34 (IL-34) is a protein that promotes the proliferation, survival and differentiation of monocytes and macrophages. It also promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. IL-34 plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1.

Protein Accession : Q8R1R4.1**Gene ID :** 76527**Expression Sequence:**

MNENLEIWTLTQDKECDLTGYLRGKLQYKNRLQYMKHYFPINYRIAVPYEGLRVANITRLQKAHVSERELRYLWVLSLNATESVMDV
LLEGHPSWKYLQEVQTLLENVQRSLMDVEIGPHVEAVLSLLSTPGLSLKLVKPKALLDNCFRVMELLYCSCCKQSPILKWQDCELPRLHP
HSPGSLMQCTATNVYPLSRQTPTSLPGSPSSSHGSLP 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:**

>98% 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 : 25.52 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

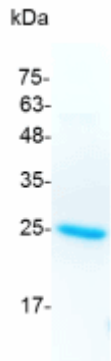
stabilizer (e.g. 0.1%

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-34