RMCM021

Recombinant IL-25 (Interleukin-25), Mouse, AF



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Synonym/Alternative name(s): IL-17E, Il17e

Activity:

Measured by its ability to induce CXCL1 secretion in HT?29 cells.

The ED50 for this effect is <1 ng/mL

☐ 5ug;20ug;100ug;500ug;

Protein Description:

Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NFkappaB activation, and stimulate the production of interleukin 8. Both this cytokine and interleukin 17B are ligands for the cytokine receptor IL17BR. IL-25 is a member of the IL-17 family of cytokines. However, unlike the other members of this family, IL-25 promotes T helper (Th) 2 responses. IL-25 also regulates the development of autoimmune inflammation mediated by IL-17-producing T cells. IL-25 and IL-17, being members of the same cytokine family, play opposing roles in the pathogenesis of organ-specific autoimmunity.

Protein Accession: Q8VHH8.1

Gene ID: 140806

Expression Sequence:

MVSLRIQEGCSHLPSCCPSKEQEPPEEWLKWSSASVSPPEPLSHTHHAESCRASKDGPLNSRAISPWSYELDRDLNRVPQDLYHARCLC PHCVSLQTGSHMDPLGNSVPLYHNQTVFYRRPCHGEEGTHRRYCLERRLYRVSLACVCVRPRVMA 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: 18.41 kDa

Formulation:

The protein was lyophilized from a solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.

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

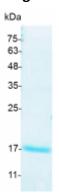
stabilizer (e.g. 0.1%

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-25