

RMCM021

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

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

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Synonym/Alternative name(s) : IL-17E, Il17e**Activity:**Measured by its ability to induce CXCL1 secretion in HT²⁹ cells.

The ED50 for this effect is <1 ng/mL

Protein Description:

Interleukin-25 (IL-25) is a cytokine that shares sequence similarity with interleukin 17. This cytokine can induce NF-kappaB 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:**

MVSLRIQEGCSHLPSCCPSKEQEPPEEWLKWSSASVSPPEPLSHTHHAESCASKDGPLNSRAISPWSYELDRDLNRVPLQDLYHARCLC
PHCVSLQTGSHMDPLGNSVPLYHNQTVFYRRPCHGEEGTHRRYCLERRLYRVSLACVCRPRVMA 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