

RMCH030

Recombinant IL-26 (Interleukin-26), Human , AF



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 5ug;20ug;100ug;500ug;**Synonym/Alternative name(s) :** AK155**Activity:**

Measure by its ability to induce IL-10 secretion in COLO205 cells.

The ED50 for this effect is <150 ng/mL.

Protein Description:

Interleukin 26 (IL-26), is a natural human antimicrobial that promotes immune sensing of bacterial and host cell death. IL-26, a human TH17 cell-derived cytokine, is a cationic amphipathic protein that kills extracellular bacteria via membrane-pore formation. Furthermore, TH17 cell-derived IL-26 formed complexes with bacterial DNA and self-DNA released by dying bacteria and host cells. The IL-26–DNA complexes triggered the production of type I interferon by plasmacytoid dendritic cells via activation of Toll-like receptor 9, but independently of the IL-26 receptor.

Protein Accession : Q9NPH9.1

Gene ID : 55801

Expression Sequence:

MKHKQSSFTKSCYPRGTLTSLQAVDALYIKAAWHKATIPEDRIKNIRLLKKTKKQFMKNCQFQEQLLSFFMEDVFGQLQLQGCKKIRFVE
DFHSLRQKLSHCISCASSAREMKSITRMKRIFYRIGNKGIYKAISELDILLSWIKKLESSQ with polyhistidine tag at the C-terminus.

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

Species : Human

Reactivity : Human

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 : 18.53 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.

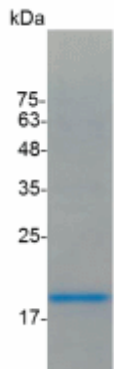
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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-26