
Recombinant human IL-23 Alpha & mouse IL-12 Beta protein, C-His-Avi (HEK293)

Catalog Number: bs-47129P

Concentration: >0.5 mg/ml

AA Seq: 20-189/189&23-335/335

Detected MW: Due to glycosylation, the protein migrates to 50-60 (Mouse IL12 Beta) & 22 (Human IL23 Alpha) kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

Form: Lyophilized

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: IL-23 is a heterodimeric cytokine composed of two subunits: a unique p19 subunit, and a p40 subunit that is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T cells and promotes production of proinflammatory cytokines, such as IFNγ and IL-17. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

This recombinant human IL-23 is produced by human cells.(Tag free)

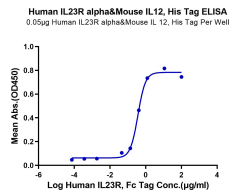
Biological activity:

The activity was measured by its ability to induce the IL-17 expression in murine splenocytes.

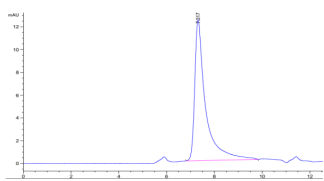
Reconstitution:

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.

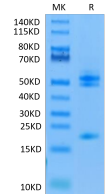
VALIDATION IMAGES



Immobilized Human IL-23R alpha & Mouse IL-12, His at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL23R, mFc (ILR-HM323) with the EC50 of 0.36µg/ml determined by ELISA.



The purity of Human IL-23 alpha & Mouse IL-12 beta Protein is greater than 95% as determined by SEC-HPLC.



Human IL-23 alpha & Mouse IL-12 beta Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.