

RMCH027Recombinant IL-23 p19 (Interleukin-23 p19), Human , AF 5ug;20ug;100ug;500ug;

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Synonym/Alternative name(s) : IL-23, IL-23A, SGRF**Activity:**

Measured by its ability to induce IL-17 secretion in mouse splenocytes.

The ED50 for this effect is <0.5 ng/mL.

Protein Description:

IL-23 is an important part of the inflammatory response against infection. It promotes upregulation of the matrix metalloprotease MMP9, increases angiogenesis and reduces CD8+ T-cell infiltration into tumours. IL-23 mediates its effects on both innate and adaptive arms of the immune system that express the IL-23 receptor. Th17 cells represent the most prominent T cell subset that responds to IL-23, although IL-23 has been implicated in inhibiting the development of regulatory T cell development in the intestine. Th17 cells produce IL-17, a proinflammatory cytokine that enhances T cell priming and stimulates the production of other proinflammatory molecules such as IL-1, IL-6, TNF-alpha, NOS-2, and chemokines resulting in inflammation.

Protein Accession : Q9NPF7.1**Gene ID :** 51561**Expression Sequence:**

RAVPGGSSPAWTQCQQLSQKCLTSAHPLVGHMDLREEGDEETTNDVPHIQCGDGDQGLRDNDSQFCLQRIHQGLIFYEKLLGS
DIFTGEPSSLDPSPVQQLHASLLGLSLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVAAARVFAHGAATLSP with
polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>95% 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 : 19.49 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.

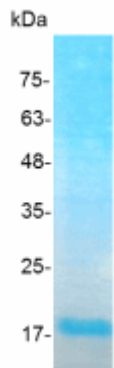
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

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-23 p19