

RPCB0721

Product Information

Product SKU: RPCB0721 **Gene ID:** 246779&50498 **Size:** 10µg
Tag: C-6×His **Reactivity:** Mouse

Additional Information

Expression Host: HEK293 cells **Swissprot:** O35228&Q8K3I6
Purity: > 97% by SDS-PAGE.

Protein Information

Background: IL-27 is a heterodimeric cytokine which belongs to the IL-6/IL-12 family of long type I cytokines. It is expressed on monocytes, endothelial cells and dendritic cells. IL-27 is an early product of activated antigen-presenting cells and drives rapid clonal expansion of naive CD4(+) T cells and plays a role in the early regulation of Th1 cells initiation which drives efficient adaptive immune response. IL-27 has an antiproliferative activity on melanomas through WSX-1/STAT1 signaling. Thus, IL-27 protein may be an attractive candidate as an antitumor agent applicable to cancer immunotherapy. IL-27 reveals to be a potent inhibitor of TH17 cell development and of IL-17 production. Indeed IL27 alone is also able to inhibit the production of IL17 by CD4 and CD8 T-cells. IL-27 has also an effect on cytokine production. It suppresses proinflammatory cytokine production such as IL2, IL4, IL5 and IL6 and activates suppressors of cytokine signaling such as SOCS1 and SOCS3. Apart from suppression of cytokine production, IL-27 also antagonizes the effects of some cytokines such as IL6 through direct effects on T-cells. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines such as IP-10 and MIG.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Mouse IL-27/IL-27A&IL-27B Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

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- Endotoxin:** < 0.1 EU/μg of the protein by LAL method.
- Formulation:** Lyophilized from a 0.2 μm filtered solution of PBS,pH7.4.Contact us for customized product form or formulation.
- Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.