

IL27

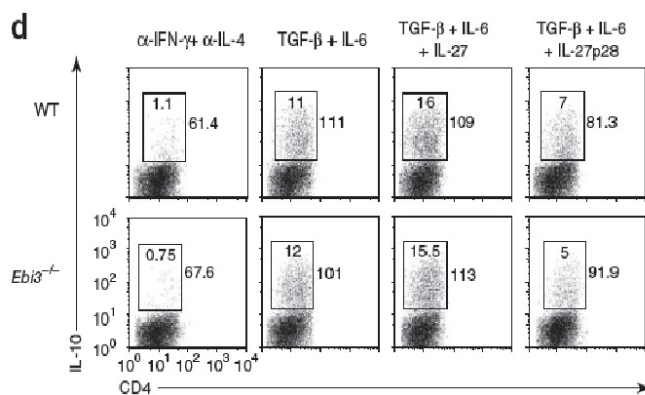
Recombinant Mouse Interleukin-27/p28, Animal Free

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|-----------------------------|--|------------------|-----------------------------------|
| Catalog No. | CRI243A-AF CRI243B-AF CRI243C-AF CRI243D-AF | Quantity: | 2 µg 10 µg 1.0 mg 100 µg |
| Alternate Names: | IL-27, IL-27 p28 subunit, IL-30, p28, Interleukin-27 subunit alpha, IL-27-A | | |
| UniProt ID: | Q8K3I6 | | |
| Description: | The p28 subunit of IL-27 (IL-27/p28), also known as Interleukin-30 (IL-30), is a member of the IL-12 family of cytokines. When combined with EB13 (Epstein-Barr virus induced gene 3), p28 forms a heterodimer known as IL-27, a cytokine which functions in innate immunity. p28 is thought to be a pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune 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/CXCL10 and MIG/CXCL9. | | |
| Gene ID: | 246779 | | |
| Source: | <i>E. coli</i> | | |
| Molecular Weight: | 23.7 kDa (207 aa) | | |
| Formulation: | Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium bicarbonate, pH 8.5 | | |
| Purity: | > 95% by reducing and non-reducing SDS-PAGE. | | |
| Endotoxin Level: | < 1 EU/ug, by kinetic LAL. | | |
| Biological Activity: | Biologically active, no acceptance criteria. | | |
| Amino Acid Sequence: | MFPTDPLSLQ ELRREFTVSL YLARKLLSEV QGYVHSFAES RLPGVNLDLL PLGYHLPNVS LTFQAWHHLS DSERLCFLAT TLRPFAMLG GLGTQGTWTS SEREQLWAMR LDLRDLHRHL RFQVLAAGFK CSKEEEDKEE EEEEEEEKK LPLGALGGPN QVSSQVSWPQ LLYTYQLLHS LELVLSRAVR DLLLLSLPRR PGSAWDS | | |
| Reconstitution: | Centrifuge vial prior to opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions. | | |

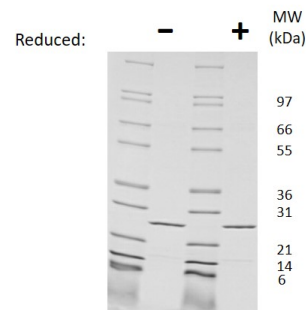


Storage & Stability:

Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage. This depends upon the particular application employed. **Avoid repeated freeze-thaw cycles.**



Stumhofer J., Nature Immunology 2010



Mouse p28 Subunit (IL-27) Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse p28 Subunit has a predicted MW of 23.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com