

Datasheet for 010-001-B54**IL-27/p28 Mouse Recombinant Protein****Overview**

Description:	IL-27/p28 Mouse Recombinant Protein - 010-001-B54
Item No.:	010-001-B54
Size:	10 µg
Applications:	SDS-PAGE
Origin:	Mouse
Expressed in:	E. coli

Product Details

Background:	Mouse IL-27/p28 Subunit, also known as Interleukin-30, is a member of the IL-12 family of cytokines. When combined with EB13 (Epstein-Barr virus induced gene 3), the heterodimer formed is IL-27. Mouse p28 is a proinflammatory cytokine inducing immunomodulatory effects. Current research is underway to delineate specific biological functions. Recombinant mouse p28 is a single-chain 207 amino acid peptide with a mass of approximately 23,697 Daltons.
Synonyms:	Interleukin-27 subunit alpha, IL-27 subunit alpha, IL-27-A cytokine, IL27-A, p28, IL-30
Species of Origin:	Mouse
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	IL27
Purity/Specificity:	Purity was determined to be approximately 97% as determined by reducing and non-reducing SDS-PAGE.
Relevant Links:	• NCBI • UniProtKB - Q8K3I6

Application Details

Tested Applications:	SDS-PAGE
Application Note:	IL-27/p28 protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-IL-27/p28 in immunological assays. Buffer Formulation: 10 mM sodium bicarbonate, pH 8.5.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Biological Activity: Mouse p28 biological activity was measured via dose-dependent inhibition of TGFβ and IL-6-induced IL-17A expression in mouse CD4 splenocytes. 50ng/ml of Mouse p28 is capable of inhibiting >25% of IL-17A expression in this assay. Endotoxin Level: Measured by LAL is 1.30 EUs/μg (with a 50% confidence range).

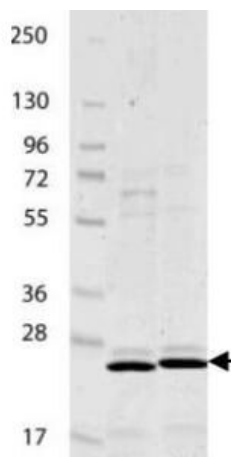
Formulation

Physical State:	Lyophilized
Concentration:	0.1 mg/mL by UV absorbance at 280 nm
Buffer:	See application note.
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	10 μ l (10-100 μ l)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL) . For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images

**SDS-PAGE**

SDS-PAGE using Rockland's Recombinant Mouse IL-27/p28 Protein shows bands corresponding to IL-27/p28 (1 μ g) in lane 2 (unreduced) and lane 3 (reduced, arrowhead). Molecular weight estimation was made by comparison to prestained MW markers, lane 1.

Disclaimer

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