

## Product datasheet for **TA319601**

### IL27 Rat Monoclonal Antibody [Clone ID: 3H12.F10]

#### Product data:

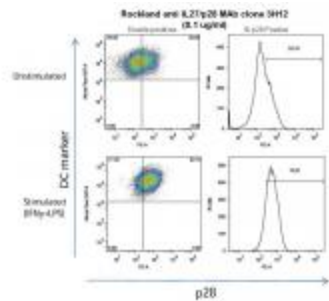
Product Type:	Primary Antibodies
Clone Name:	3H12.F10
Applications:	FC, WB
Recommended Dilution:	ELISA: 1:10,000, WB: 1:1000
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Immunogen:	This Protein A purified monoclonal antibody was produced in rats by repeated immunizations with mature length recombinant mouse p28 protein (produced in E.coli) followed by hybridoma development.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 27
Database Link:	<a href="#">NP_663611</a> <a href="#">Entrez Gene 246779 Mouse</a> <a href="#">Q8K3I6</a>
Synonyms:	IL-27; IL-27A; IL27-A; IL27A; IL27p28; IL30; MGC71873; p28
Note:	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.



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**Product images:**

Anti-IL-27/p28 antibody in WB shows detection of recombinant mouse IL-27/p28. Recombinant protein (0.1 ug) was loaded on to an SDS-PAGE gel, and after separation, transferred to nitrocellulose. The expected band is approximately 26 kDa in size. The membrane was incubated with anti-IL-27/p28 antibody diluted 1:1,000 in 1% BSA in TBST overnight at 4°C. After washes, the blot was reacted with secondary antibody HRP Goat anti-Rabbit IgG antibody diluted 1:40,000.



Mouse peritoneal macrophages were grown in culture for 24 hours, stimulated with 10ng/mL IFN $\gamma$  and 1ug/mL LPS for 14 hours and incubated for 4 hours with Bredfeldin A. Cells were stained with biotinylated primary anti-mouse p28 antibody at (0.1 - 10ug/mL primary antibody alongside negative controls of unstimulated cells and isotype controls. Cells were stained with 0.25ug/mL rat anti-mouse CD107b conjugated Alexa Fluor 647 and PHYCOERYTHRIN Conjugated secondary at 1:100.