

## Anti-Mouse IL-27/P28 Monoclonal Antibody

Catalog Number: M00857

### About IL27

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.

### Overview

|                      |                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Mouse IL-27/P28 Monoclonal Antibody                                                                                                                                                                                                                                                                                                |
| Reactive Species     | Mouse                                                                                                                                                                                                                                                                                                                                   |
| Description          | Boster Bio Anti-Mouse IL-27/P28 Monoclonal Antibody (Catalog # M00857). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse.                                                                                                                                                                              |
| Application          | ELISA, Flow Cytometry, WB                                                                                                                                                                                                                                                                                                               |
| Clonality            | Monoclonal Clone: 3H12.F10 IgG2a kappa                                                                                                                                                                                                                                                                                                  |
| Formulation          | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide                                                                                                                                                                                                                                                    |
| Storage Instructions | Store vial at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.) |
| Host                 | Rat                                                                                                                                                                                                                                                                                                                                     |
| Uniprot ID           | Q8K3I6                                                                                                                                                                                                                                                                                                                                  |

### Technical Details

|                            |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen                  | Anti-IL-27/p28 monoclonal antibody was produced in rats by repeated immunizations with mature length recombinant mouse p28 protein (produced in E.coli) followed by hybridoma development.                                                                                                                                                |
| Predicted Reactive Species | Chimpanzee                                                                                                                                                                                                                                                                                                                                |
| Isotype                    | IgG2a kappa                                                                                                                                                                                                                                                                                                                               |
| Form                       | Liquid (sterile filtered)                                                                                                                                                                                                                                                                                                                 |
| Concentration              | 1.0 mg/mL by UV absorbance at 280 nm                                                                                                                                                                                                                                                                                                      |
| Purification               | IL-27 / p28 antibody is purified by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody is specific for mouse and rat p28 protein. Cross-reactivity with IL-27 from other sources has not been determined. |

**Suggested Dilutions**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

ELISA: 1:10,000

Flow Cytometry: 1 ug / ml

WB: 1:1000

## Anti-Mouse IL-27/P28 Monoclonal Antibody (M00857) Images



Western blot analysis of recombinant mouse IL-27/p28 using rat anti-IL-27/p28 monoclonal antibody (Catalog # M00857) at 1:1000. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001). Band indicates the correct molecular weight of 26 kDa expected for Mouse IL-27/p28.

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