

## IL1 beta Antibody (R30418)

| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R30418      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                          |
| <b>Species Reactivity</b> | Mouse, Rat                                                 |
| <b>Format</b>             | Antigen affinity purified                                  |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                 |
| <b>Isotype</b>            | Rabbit IgG                                                 |
| <b>Purity</b>             | Antigen affinity                                           |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                  |
| <b>UniProt</b>            | P10749                                                     |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml                                  |
| <b>Limitations</b>        | This IL1 beta antibody is available for research use only. |



Western blot testing of IL1 beta antibody and Lane 1: Recombinant mouse IL1b partial protein 10ng; 2: 5ng; 3: 2.5ng

## Description

Interleukin-1 beta(IL-1beta) also known as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene, which localizes to the long arm of chromosome at position 2q13-2q21 between two fragile sites. Interleukin 1(IL-1) is a protein with several biological activities regulating host defense and immune responses.<sup>2</sup> The human IL-1 family plays an important role in the pathogenesis of many diseases and functions as a key mediator of the host response to various infectious, inflammatory, and immunologic challenges.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL1 beta antibody may be required

due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

An amino acid sequence from the C-terminus of mouse IL1 beta (FLGNNSGQDIIDFTME) was used as the immunogen for this IL1 beta antibody.

## **Storage**

After reconstitution, the IL1 beta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.