

## IL-1B Antibody [clone 614CT4.3.1] (F53698)

| Catalog No.  | Formulation                        | Size   |
|--------------|------------------------------------|--------|
| F53698-0.1ML | In ascites with 0.09% sodium azide | 0.1 ml |

**Bulk quote request**

|                             |   |
|-----------------------------|---|
| <b>Availability</b>         | 1-3 business days                                       |
| <b>Species Reactivity</b>   | Human   |
| <b>Predicted Reactivity</b> | Primate, Rabbit   |
| <b>Format</b>               | Ascites   |
| <b>Clonality</b>            | Monoclonal (mouse origin)                               |
| <b>Isotype</b>              | Mouse IgG1  |
| <b>Clone Name</b>           | 614CT4.3.1  |
| <b>Purity</b>               | Ascites   |
| <b>UniProt</b>              | P01584  |
| <b>Applications</b>         | Western Blot : 1:2000-1:4000                            |
| <b>Limitations</b>          | This IL-1B antibody is available for research use only. |

95  
 72  
 55  
 36  
 28

IL-1B antibody 293 cell lysate transiently transfected with the IL1B gene. Predicted molecular weight: 31 kDa (precursor) and 17 kDa (mature).

## Description

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq].

## Application Notes

Titration of the IL-1B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 148-174 from the human protein was used as the immunogen for this IL-1B antibody.

## Storage

Aliquot the IL-1B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.