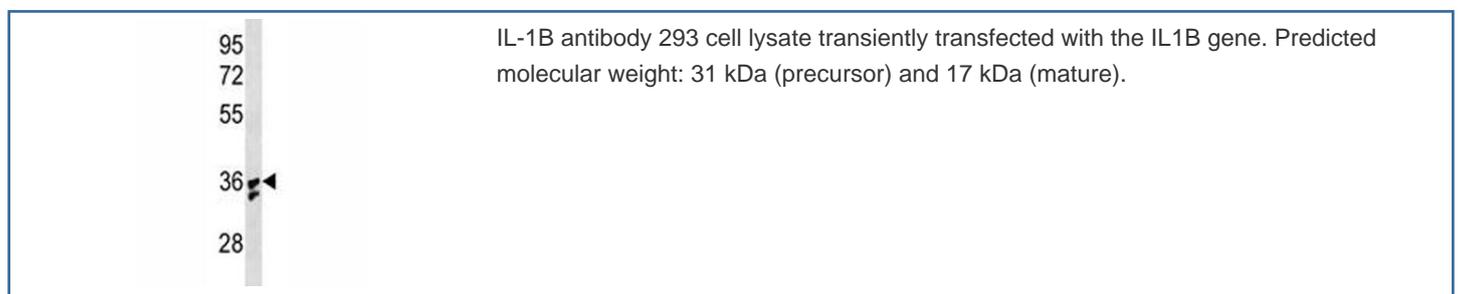


## IL-1B Antibody [clone 614CT4.3.1] (F53698)

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>Host</b>	Mouse
<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.



### 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.