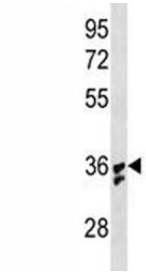
IL-1B Antibody [clone 614CT4.3.1] (F53698)

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

Bulk quote request

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



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].

For a complementary monoclonal clone with IHC and protein microarray specificity validation, see our IL1 beta Antibody IL1B/3993 / Interleukin 1 Beta Antibody page.

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.

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