

IL1B Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant IL1B.****Catalog # AT2509a****Specification**

IL1B Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, IP, E
Primary Accession	P01584
Other Accession	BC008678
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	30748

IL1B Antibody (monoclonal) (M01) - Additional Information**Gene ID** 3553**Other Names**

Interleukin-1 beta, IL-1 beta, Catabolin, IL1B, IL1F2

Target/Specificity

IL1B (AAH08678, 170 a.a. ~ 269 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

IP~~N/A

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

IL1B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

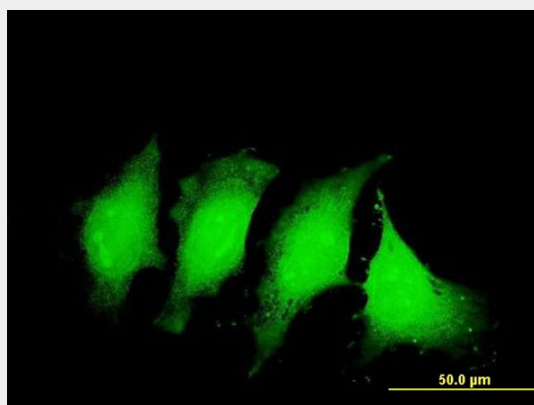
IL1B Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

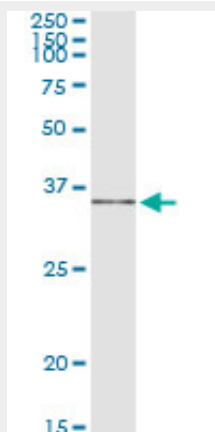
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

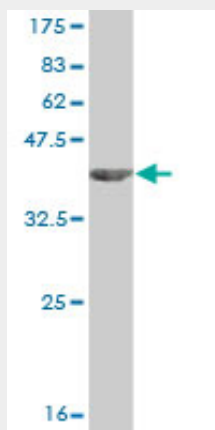
IL1B Antibody (monoclonal) (M01) - Images



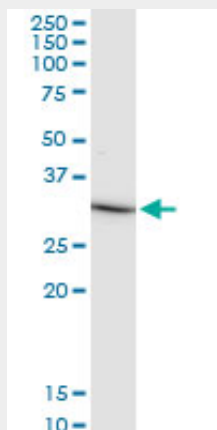
Immunofluorescence of monoclonal antibody to IL1B on HeLa cell . [antibody concentration 10 ug/ml]



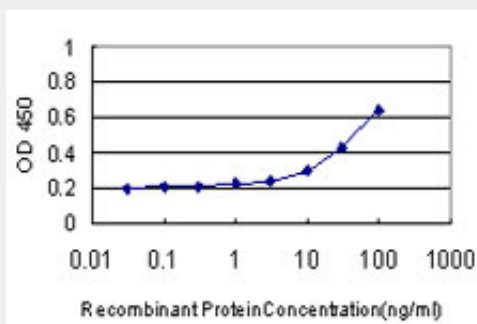
Immunoprecipitation of IL1B transfected lysate using anti-IL1B monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with IL1B MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



IL1B monoclonal antibody (M01), clone 2A8. Western Blot analysis of IL1B expression in human liver.



Detection limit for recombinant GST tagged IL1B is approximately 10ng/ml as a capture antibody.

IL1B Antibody (monoclonal) (M01) - Background

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.

IL1B Antibody (monoclonal) (M01) - References

1. Upregulation of MMP-13 via Runx2 in the stromal cell of Giant Cell Tumor. Mak IW, Cowan RW, Popovic S, Colterjohn N, Singh G, Ghert M. Bone. 2009 Aug;45(2):377-86. Epub 2009 May 5.