10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL1B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant IL1B.
Catalog # AT2509a

Product Information

Application	WB, IF, IP, E
Primary Accession	P01584
Other Accession	BC008678
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2A8
Calculated MW	30748

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.

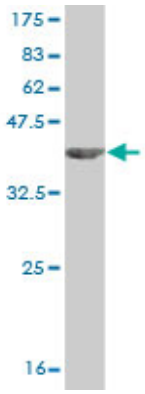
Background

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.

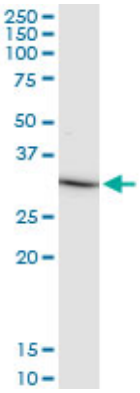
References

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.

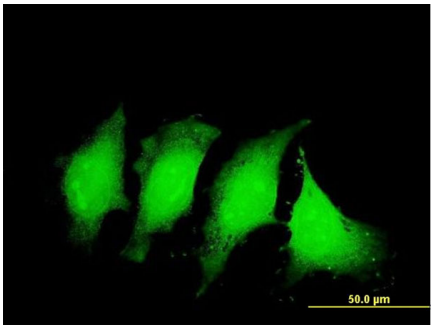
Images



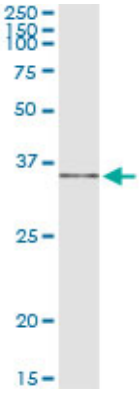
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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

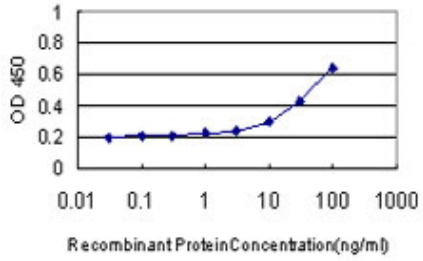


Immunofluorescence of monoclonal antibody to IL1B on HeLa cell . [antibody concentration 10 ug/ml]



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

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.