

IL1B

Mouse Anti-Human IL-1 beta Clone B-A15 mAb

Catalog No.	CMI242	Quantity:	0.5 mg
Alternate Names:	IL-1, IL1F2, IL1-BETA		
Description:	<p>Mouse Monoclonal Antibody against Human IL-1 beta, Clone B-A15.</p> <p>IL-1 beta is a member of the interleukin 1 cytokine family. It is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1. IL-1 beta 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 by this cytokine in the central nervous system is found to contribute to inflammatory pain hypersensitivity. Clone B-A15 was produced <i>in vitro</i> using serum free medium.</p>		
Gene ID:	3553		
Host:	Mouse		
Hybridoma:	Myeloma X63/AG.8653 x BALB/c spleen cells		
Specificity:	Recognizes both natural (pro and mature) and recombinant human IL-1 beta		
Sterility:	Membrane filtered (0.2 µm).		
Quantitation:	Antibody concentration was determined by absorbance, taking A280=1.4 for a 1 mg/ml solution.		
Isotype:	Mouse IgG1		
Clone:	B-A15		
Formulation:	Lyophilized from a 0.5 ml solution of PBS + 125 mM trehalose.		
Purification:	Ion exchange chromatography.		
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.		
Applications:	Flow cytometry, <i>In vitro</i> neutralization.		
Application Notes:	Blocks IL-1 beta-induced proliferation of D10S cells		
Storage & Stability:	<p>Lyophilized product is stable for at least one year at 2-4°C (expiration date is indicated on the vial). After reconstitution, the contents can be safely stored at 2-4°C for one month or for one year at -20°C. In solution, add 0.02% sodium azide to prevent bacterial growth.</p> <p>Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		

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