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## Monoclonal Antibody To Mouse Interleukin 1 $\beta$

### Mouse Anti Mouse Antibody

Monoclonal antibody 1400.24 neutralizes murine interleukin 1 $\beta$  activity as tested in an experimental arthritis model. It is particularly useful for *in vivo* and *in vitro* studies in murine models since it is a mouse immunoglobulin.

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<b>Product Number:</b>	T-2201 (Lot 04PO0201)
<b>Clone:</b>	1400.24
<b>Host species, isotype:</b>	Mouse IgG1
<b>Quantity:</b>	500 $\mu$ g
<b>Format:</b>	Affinity purified, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 1mg/ml IgG, phosphate buffered saline pH 7.2 (PBS). Without preservative or stabilizer. Not tested for endotoxin content.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for ELISA  <b>Approximate working dilution for ELISA:</b> 1:4000 (Titer: 1:4700 on IL-1 $\beta$ coated plate)  Optimal dilutions should be determined by the end user.  Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	recombinant murine IL-1 $\beta$ coupled to KLH. Fusion partner: Balb/c-PAI.
<b>Antigen, epitope:</b>	Interleukin-1 $\beta$ (IL-1 $\beta$ ) is a 15-17kD polypeptide with approximately 26% sequence homology to interleukin-1 $\alpha$ . An <i>in vitro</i> assay with mouse T-cell line D10S showed half-maximal inhibition of proliferation at an antibody concentration of 50ng/ml when cultivated at a constant IL-1 $\beta$ concentration of 100pg/ml.
<b>Specificity:</b>	<b>Mouse:</b> Interleukin-1 $\beta$ , negative with mouse interleukin-1 $\alpha$ . <b>Other species:</b> negative with rat, others not tested

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### **Selected references**

Geiger, T. et al.: Neutralization of Interleukin-1 $\beta$  activity in vivo with a monoclonal antibody alleviates collagen-induced arthritis in DBA/1 mice and prevents the associated acute-phase response. *Clin. Exp. Rheumatol.* **11**: 515-522 (1993).

Dinarello, C.A.: Interleukin-1 and interleukin-1 antagonism. *Blood* **77**: 1627-52 (1991). Review

For laboratory use and research purposes only. Caution: this product contains no preservatives and has to be considered non-sterile.