



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Mouse Interleukin 1 β

Mouse Anti Mouse Antibody

Monoclonal antibody 1400.24 neutralizes murine interleukin 1 β 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.

Product Number:	T-2201
Clone:	1400.24
Host species, isotype:	Mouse IgG1
Quantity:	500 μ g
Format:	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.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for ELISA Approximate working dilution for ELISA: 1:4000 (Titer: 1:4700 on IL-1 β coated plate) Optimal dilutions should be determined by the end user.
Immunogen:	recombinant murine IL-1 β coupled to KLH. Fusion partner: Balb/c-PAI.
Antigen, epitope:	Interleukin-1 β (IL-1 β) is a 15-17kD polypeptide with approximately 26% sequence homology to interleukin-1 α . 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 β concentration of 100pg/ml.
Specificity:	Mouse: Interleukin-1 β , negative with mouse interleukin-1 α . Other species: negative with rat, others not tested



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Selected references

Geiger, T. et al.: Neutralization of Interleukin-1 β 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).

Dinareello, 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.