

## PRODUCT INFORMATION SUMMARY

### Anti-IL 1 Beta

Purified Antibody	(Clone B7)	Product Number MC500220	0.1 mg
Purified Antibody	(Clone F12)	Product Number MC500320	0.1 mg

#### SPECIFICITY:

Human interleukin 1 (IL 1)-Beta, a product of activated macrophages and other cell types, which modulates a broad spectrum of immune and inflammatory responses by its ability to regulate proliferation, maturation, or functional activity of a wide variety of cell types.

Clones S1B7 and F12 recognize both native and recombinant human IL 1 Beta, and react with distinct epitopes as tested in ELISA.

#### IMMUNOGLOBULIN CHAIN COMPOSITION:

Mouse IgG1, kappa chains (both clones).

#### SOURCE:

Murine ascites fluid.

#### CLONES:

Derived from hybridization of murine myeloma (SP2/0) cells with spleen cells from BALB/c mice immunized with purified, recombinant human interleukin 1 Beta.

**PURIFICATION METHOD:** Protein A affinity chromatography.

#### RESEARCH APPLICATIONS:

Western Blot analysis; Development of quantitative immunoassays;  
Immunoaffinity purification of IL 1-Beta.  
Identification of IL 1 Beta in body fluids and tissue sections.

**CHARACTERIZATION:**

Enzyme immunoassay.

**CROSS-REACTIVITY:**

Cross-reactivity with other cytokines, including IL 1-alpha, was not observed in quality control testing.

**NEUTRALIZING ACTIVITY:**

Not tested.

**HANDLING AND STORAGE:**

Lyophilized, purified monoclonal antibody upon reconstitution with 0.2 ml of distilled water will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20° C until reconstitution. All reagents in a liquid state should be stored at 2-8° C when not in use. Purified anti-IL 1-beta is provided free of stabilizing agents and preservatives to facilitate conjugation and immediate use in functional and immunological assays. For long-term storage, small aliquots of undiluted reagent may be frozen at -20°C. Avoid repeat freeze-thaw cycles.

**WARRANTY:**

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the product label description.

**RESEARCH USE ONLY  
NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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