

## Product datasheet for **SM480**

### IL-1B Mouse Monoclonal Antibody [Clone ID: 1D4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1D4
Applications:	ELISA, FC, IHC
Recommended Dilution:	<b>ELISA:</b> 5 µg/ml as coating antibody. <b>Flow Cytometry:</b> 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Bovine, Goat, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant ovine IL-1 Beta
Specificity:	This antibody recognises interleukin-1 Beta, and shows no cross-reactivity with IL-6, IL-8, TNF alpha or MCP-1.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P21621</a>



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**Background:**

Interleukin 1 (IL1), originally known as lymphocyte activating factor (LAF), activates T cells and lymphocytes, which then proliferate and secrete interleukin 2. IL1 is primarily released from stimulated macrophages and monocytes, but also is released from several other cell types, and is thought to play a key role in inflammatory and immune responses. The two closely related agents, interleukin1 alpha (IL1 alpha) and interleukin1 beta (IL1 beta) bind to the same cell surface receptor, elicit nearly identical biological responses and share 25% homology in their amino acid sequence.

**Synonyms:**

IL-1 beta, IL1B, IL1 beta, IL1F2, Catabolin