

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat IL-1 β in direct ELISAs and Western blots. In these formats, this antibody shows approximately 100% cross-reactivity with recombinant mouse (rm) IL-1 β and rcrIL-1 β and no cross-reactivity with rfil-1 β , rhIL-1 β , or rrmIL-1 β .
Source	Monoclonal Mouse IgG ₁ Clone # 38123
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant rat IL-1 β Val117-Ser268 Accession # Q63264
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	Recombinant Rat IL-1 β /IL-1F2 (Catalog # 501-RL)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IL-1 β is a prototypical member of the IL-1 superfamily and is designated IL-1F2. The biological activity of IL-1 β is mediated by the heterodimeric receptor complex containing IL-1 R1 (IL-1 RI) and IL-1 R3 (IL-1 RAcP). IL-1 β is a pleiotropic cytokine involved in inflammation, development, growth and appetite.