



Anti-Mouse IL-1 β *Polyclonal Antibody*

Catalog: PAR-200-IL1B

Specifications and Use

Target: Mouse Interleukin-1-beta

Size and Label: 100 μ g, Unlabeled

Host and Purification: Ig Fraction of Rabbit Serum

Physical State: Lyophilized

Immunogen: Full length recombinant Mouse IL-1 β

Endotoxin Level: <0.1EUs per μ g

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with no stabilizers or preservatives

Storage: Store at 2-8°C after restoration with 0.1mL deionized water or -20°C for long term storage, avoid repeat freeze thaws.

Alternate Target Names: Catabolin, LAF, EP, LEM, MCF

Description:

Interleukin-1beta (IL-1 β) is a proinflammatory cytokine produced in response to inflammatory agents by a variety of cells, including monocytes, macrophages, and dendritic cells (DCs). IL-1 β and IL-1 α are two distinct and independently regulated gene products that comprise IL-1 and signal through the Type 1 IL-1 receptor (IL-1R1). Although IL-1 α is cell associated and IL-1 β is secreted, they have nearly identical biological activity in that they induce adhesion molecule expression on epithelial cells, control fever induction, and play a role in arthritis and septic shock. Signaling activated by the IL-1R1 promotes these activities through a MYD88 signaling pathway similar to those associated with Toll receptors. Mouse IL-1 β is 152 amino acid protein, having a molecular weight of 17.4 kDa.

The antibody does not recognize human or primate IL-1 β or mouse IL-1 α but does cross react with rat IL-1 β . Anti-Mouse IL-1 β has been tested for use in neutralizations, ELISA, radioimmunoassays, flow cytometry, immunohistochemistry, immunoblotting and immu

Reported Applications:

Western Blot

ELISA

Recommended Dilution*:

1:1000 starting

No Data

***INVESTIGATORS ARE ADVISED TO TITRATE ANTIBODIES TO REACH OPTIMAL ASSAY CONDITIONS FOR THEIR SPECIFIC NEEDS.**

THIS PRODUCT IS FOR RESEARCH USES ONLY! THIS PRODUCT IS NOT FOR USE IN HUMANS!!!