

IL-1 beta monoclonal antibody

Catalog: MB66768

Host: Mouse

Reactivity: Human

BackGround:

Two forms of interleukin-1, designated IL-1a and IL-1b, have been described. Although encoded by distinct genes and exhibiting roughly only 25% sequence identity, IL-1a and IL-1b bind to the same receptor and seem to elicit similar biological responses. IL-1 production is generally thought to be associated with inflammation, but it has also been shown to be expressed during kidney development, thymocyte differentiation and cartilage degradation. IL-1 plays a critical role in the regulation of immune response and inflammation, acting as an activator of T and B lymphocytes and natural killer (NK) cells. In T cells, IL-1 stimulates the production of IL-2 and selectively inhibits IL-4 expression. IL-1 induces B cell proliferation and maturation, and immunoglobulin synthesis. NK cells require IL-1b for production of the anti- pathogen IFN- γ . IL-1 has also been implicated in several pathological conditions including rheumatoid arthritis, inflammatory bowel disease and atherosclerosis.

Product:

Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.

Molecular Weight:

~ 35 kDa

Swiss-Prot:

P01584

Purification&Purity:

Applications:

WB (1/1000 - 1/2000)

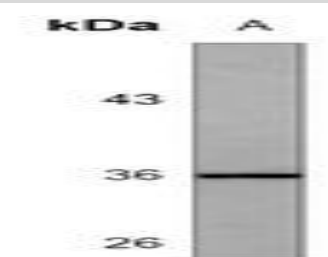
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of IL-1 beta protein.

DATA:



Western blot analysis of IL-1 beta expression in 293 cells transfected with IL1B (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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