

43-1097: Monoclonal Antibody to Mouse IL-1 alpha NALE™ Purified (Clone: ALF-161)

Clonality :	Monoclonal
Clone Name :	ALF-161
Reactivity :	Mouse
Gene :	Il1a
Gene ID :	16175
Uniprot ID :	P01582
Alternative Name :	Interleukin-1 alpha
Isotype :	Armenian Hamster IgG

Description

IL-1 Alpha is a non-secreted, proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1 Alpha and IL-1 Beta bind to the same receptor and have similar, if not identical, biological properties. These cytokines have a broad range of activities including the stimulation of thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity, and the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1 Beta is a secreted cytokine, IL-1 Alpha is predominantly a cell-associated cytokine. The ALF-161 monoclonal antibody reacts with the precursor, secreted and membrane-associated forms of mouse IL-1 Alpha. The antibody is reported to be usable as the capture antibody in an ELISA assay and exhibits neutralization properties.

Product Info

Amount :	500 µg
Content :	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.