

Monoclonal antibody to IL-1 α

Cat. #: Mab-604011 (0.1mg)

Description:

Interleukin-1 α is a member of the interleukin 1 cytokine family. It is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. IL-1 α and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.

Immunogen/Specificity:

Ni-NTA purified recombinant human IL-1 α #193; expressed in E. Coli strain BL21 (DE3).

Applications :

Anti- IL-1 α recognizes recombinant IL-1 α by Western Blot and ELISA.

Dilution:

Western Blot: 1:500-1,000

ELISA: Determining optimal working dilutions by titration test.

Formulation

Antibodies are purified by protein A affinity chromatography.

Reference:

1. Du,Y.; et al. 2000. Neurology 55: 480-484,

PubMed ID : 10953177

2 Grimaldi, L. et al. Ann. Neurol. 47: 361-365, 2000.

PubMed ID : 10716256

Clone Number: 1F3B3

Isotype: IgG2a

Species: Human

Storage and Stability: stored at -20 C

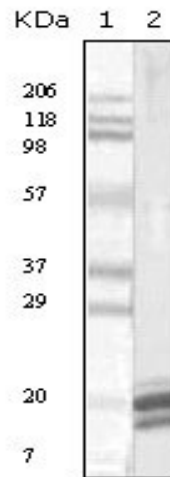


Figure 1: Western blot analysis using anti- human IL-1 α monoclonal antibody against truncated IL-1 α recombinant protein.