

Monoclonal antibody to IL-10

Cat. #: Mab-604012 (0.1mg)

Description:

Interleukine 10 (IL-10) is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

Immunogen/Specificity:

Ni-NTA purified recombinant human IL-10 expressed in E. Coli strain BL21 (DE3).

Applications :

Anti- IL-10 recognizes recombinant human IL-10 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.Vieira P, et al. PNAS, 1991.88:1172-1176

Clone Number: 3C12C12

Isotype: IgG1.kappa

Species: Human

Storage and Stability: stored at -20 C

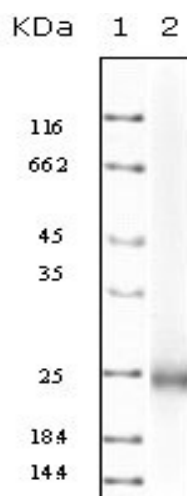


Figure 1: Western blot analysis using anti- human IL-10 monoclonal antibody against truncated IL-10 recombinant protein.