9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-20347: Recombinant Murine IL-6(Discontinued)

Reactivity : Human, Mouse, Rat

Alternative Name : 26 kDa protein, IFN-b2, B cell differentiation factor (BCDF), BSF-2, HPGF, HSF, MGI-2

Description

Source:E.coliIL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes, IL-6 has diverse biological functions. It stimulates B cell differentiation and antibody production, synergizes with IL-3 in megakaryocyte development and platelet production, induces expression of hepatic acute-phase proteins, and regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains, IL-6R Alpha and gp130. Murine IL-6 is inactive on human cells, while both human and murine are equally active on murine cells. Recombinant Murine IL-6 is a 21.7 kDa protein containing 188 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MFPTSQVRRG DFTEDTTPNR PVYTTSQVGG LITHVLWEIV EMRKELCNGN SDCMNNDDAL AENNLKLPEI QRNDGCYQTG YNQEICLLKI SSGLLEYHSY LEYMKNNLKD NKKDKARVLQ RDTETLIHIF NQEVKDLHKI VLPTPISNAL LTDKLESQKE WLRTKTIQFI LKSLEEFLKV TLRSTRQT

Application Note

TheÃ Â ED_{50}Ã Â as determined by the dose-dependent stimulation of the proliferation of IL-6-dependent murine 7TD1 cells isÃ Â <= 0.02 ng/ml, corresponding to a specific activity ofÃ Â >= 5 x 10^7Ã Â units/mg.

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