

32-20207: Animal-Free Recombinant Human IL-1RA(Discontinued)

Reactivity : Human, Mouse, Rat
Alternative Name : IL-1Ra, ICIL-1RA, IRAP, IL-1RN

Description

Source: *E.coli* Interleukin-1 receptor antagonist (IL-1RA) is a naturally-occurring, inflammatory-inhibitor protein. It inhibits the activity of IL-1Alpha and IL-1Beta by competitively blocking their binding to type I and type II receptors. IL-1RA is produced by corneal epithelial cells, monocytes, neutrophils, macrophages, and fibroblasts. Therapeutically, IL-1RA may help in the treatment of sepsis, cachexia, rheumatoid arthritis, chronic myelogenous leukemia, asthma, psoriasis, and inflammatory bowel disease. Recombinant Human IL-1RA is a 17.2 kDa protein consisting of 153 amino acid residues.

Product Info

Amount : 20 µg / 100 µg
Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : MRPSGRKSSK MQAFRIWDVN QKTFYLRNNQ LVAGYLQGN VNLEEKIDVV PIEPHALFLG IHGGKMCLSC
VKSGDETRLQ LEAVNITDLS ENRKQDKRFA FIRSDSGPTT SFESAACPGW FLCTAMEADQ PVSLTNMPDE
GVMVTKFYFQ EDE

Application Note

Determined by its ability to inhibit the IL-1Alpha stimulation of murine D10S cell. The expected ED_{50} is 20-40 ng/ml in the presence of 50 pg/ml of IL-1alpha.