

RELIATech GmbH
Lindener Str. 15
38300 Wolfenbüttel
Germany

Tel.: +49 5331 8586 987
Fax: +49 5331 8586 989
Email: info@reliatech.de
Web: www.reliatech.de

Recombinant Human sIL-1RA

Description: Interleukin-1 receptor antagonist (IL-1RA) is a naturally occurring inflammatory inhibitor protein. It inhibits the activity of IL-1 α and IL-1 β by competitively blocking binding to their 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.

Source:	E. coli
Molecular Weight:	17.2 kDa
Purity:	> 98%, by SDS-PAGE and HPLC analysis
Endotoxin level:	< 0.1 ng per μ g of sIL-1RA
Formulation:	lyophilised

Biological Activity: Determined by its ability to inhibit the IL-1 α stimulation of murine D10S cell. The expected ED₅₀ is 20-40 ng/ml in the presence of 50 pg/ml of IL-1 α .

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20⁰C. Reconstituted sIL-1RA is stable for at least 3 months when stored in working aliquots with a carrier protein at -20⁰C. **Avoid repeated freeze/thaw cycles.**

Usage: Human sIL-1RA is offered for research use. Not for drug use. **Not for human use!**

Catalogue number: S01-061

Size: 100 μ g