

## PRODUCT INFORMATION SUMMARY

### Human IL-1RA

PRODUCT NUMBER	HC411210B	100.0 ug
	HC411210A	20.0 ug

#### DESCRIPTION:

Human Interleukin -1 Receptor Antagonist(IL-1RA) is a cytokine produced by monocytes, macrophages, neutrophils, fibroblasts and corneal epithelial cells that inhibits inflammatory process. Human IL-1RA competitively blocks the receptors for IL-1 alpha and IL-1 beta. The medical application of IL-1RA may be important in the control or treatment of diseases such as psoriasis, sepsis, rheumatoid arthritis, CML, and other inflammatory conditions. Human IL-1RA is a 17.2 kDa protein containing 153 amino acid residues.

#### SOURCE:

E. Coli  
Purity greater than 98% by HPLC analysis.  
Endotoxin level less than 0.1 ng per ug IL-1RA.

#### HANDLING AND STORAGE:

**Spin-down vial before reconstitution.** Lyophilized, purified IL-1RA should be reconstituted with **distilled water** to concentration approximately 100.0 ug/mL. Further dilute in PBS or other aqueous buffers. This can be stored in small aliquots frozen, with addition of 0.1% BSA, at -20 ° C. for up to 3 months.

#### BIOACTIVITY:

Half-maximal inhibitory effect measured at 40.0 ng/mL in presence of 50.0 pg/mL of human IL-1 alpha in stimulation of mouse D10S cells.

**WARRANTY:** Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

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