

ANTIGENIX AMERICA Inc

PRODUCT INFORMATION SUMMARY

Anti-Human-IL-1RA

(IL-1 Receptor Antagonist)

Purified Antibody	Product Number	RHF718	100.0 ug
Biotin Conjugate	Product Number	RHF718B	50.0 ug

SPECIFICITY:

Rabbit polyclonal antibody specific for Human IL-1RA (IL-1 Receptor Antagonist). These polyclonal antibodies were raised against highly purified recombinant IL-1RA (E. Coli derived), and further purified using antigen-affinity chromatography against the target protein.

IL-1RA is an inflammatory-inhibitor protein. It inhibits the activity of IL-1 α and IL-1 β by competitively blocking their binding to type I and type II receptors.

SOURCE: **Rabbit** antiserum, Purified by Antigen-Affinity Chromatography, to produce highly specific, high titre preparation.

NEUTRALIZING ACTIVITY: Not currently tested

ELISA: Antibody concentration of 1.0 ug/mL - 1.5 ug/mL (100 uL per well) was used to detect approx. 2.0 ng/mL. For **Biotin conjugate**, use at 0.2 - 0.4 ug/mL (optimize all concentrations).

WESTERN BLOT: Antibody concentration of 0.2 ug/mL used to detect 2.0 ng /lane of recombinant IL-1RA under both reducing and non-reducing conditions.

HANDLING AND STORAGE:

Lyophilized, purified antibody should be upon reconstituted with 0.5 ml of distilled (or sterile) water. . **For Biotin conjugate, reconstitute in 500 uL sterile water containing 0.1% BSA.**

These preparations should be diluted in a protein-containing (ie., 0.1% BSA) or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20° C until reconstitution. For long-term storage, reagents in a liquid state should be stored at -20° C, in small aliquots, at high concentration. **AVOID** repeat freeze-thaw cycles.

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RESEARCH USE ONLY NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.