



Antibody Specification Sheet

Anti-Human Interleukin 1 Receptor Antagonist (hIL-1RA) - Purified

Catalog reference: PS1-P

Size: 0.5 mg



Antibody Information:

Antigen: human recombinant interleukin 1 receptor antagonist (hIL-1RA).

Ig Class: rb IgG.

Form: purified.

Specificity: recognizes human IL-1RA. Does not recognize hIL-1 α , hIL-1 β or a panel of other human cytokines.

Antibody Source: sera from immunized rabbits.

Purification: Protein A agarose chromatography.

Purity: \geq 95% Rb IgG.

Formulation: provided as a 0.2 μ m sterile-filtered solution in Ca⁺⁺ & Mg⁺⁺ free Dulbecco's PBS with 0.05% sodium azide.

Concentration: 1 mg/ml.

Recommendations:

Immunoprecipitation (see also PS1-S), Western Blot (see also PS1-S) and ELISA (see also PS1-B).

Storage conditions:

store undiluted at 4 °C or in aliquots at \leq -20 °C.

Applications:

Immunoprecipitation: This antibody has been used to immunoprecipitate hIL-1RA in solution using a double-antibody method. (Midgley, AR and Hepburn, MR, *Methods Enzymol.*, 70, 266, 1980).

Western Blot: This antibody has been used at 10 μ g/ml to visualize hIL-1RA in Western Blots with appropriate secondary reagents.

ELISA: This antibody has been used as a solution-phase antibody at 2 μ g/ml in a two-site

ELISA with AS17-P. Typically the ELISA has a working range of 27-20000 pg/ml and a sensitivity of <5 pg/ml with the appropriate standard. Recommended sample volumes are 25-200 μ l. Recovery of hIL-1RA in human plasma is typically > 85% in the ELISA.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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