

Product Data Sheet

Purified anti-human IL-1 RA

Catalog # / Size: 509901 / 50 µg
509902 / 500 µg

Clone: JK1RA-1

Isotype: Mouse IgG1

Immunogen: Recombinant human IL-1 receptor antagonist

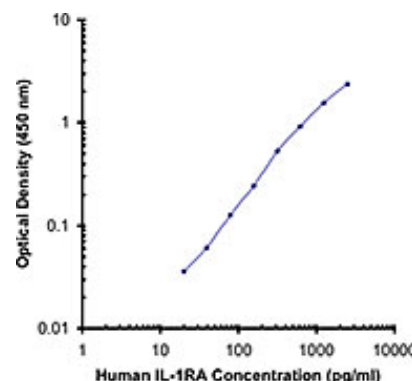
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.05% sodium azide, 0.02% Proclin 950.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Applications:

Applications: ELISA Capture

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 4-6 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA Capture:** The purified JK1RA-1 antibody is useful as the capture antibody in a sandwich ELISA assay, when used in conjunction with the biotinylated Poly5095 (Cat. No. 509501) antibody as the detecting antibody.

Application References: 1. Xi X, *et al.* 2011. *Invest Ophthalmol Vis Sci.* 52:4859. PubMed.

Description: Interleukin-1 receptor antagonist (IL-1RA) is composed of three isoforms, one secreted (sIL-1Rα/IL-1Rα1), two intracellular (IL-1Rα2/IL-1Rα3) and produced by monocytes, tissue macrophages, Langerhans cells, dendritic cells, T and B cells, natural killer (NK) cells, large granular lymphocytes (LGL), vascular endothelium, smooth muscle, fibroblasts, thymic epithelia, astrocytes, microglia, glioma cells, keratinocytes, and chondrocytes. It is upregulated by IL-1β, IL-4, IL-6 and downregulated by glucocorticoids. The JK1RA-1 antibody reacts with human interleukin-1 receptor antagonist (IL-1RA).

Antigen References: 1. Carter D, *et al.* 1990. *Nature* 344:633.
2. Chirivi R, *et al.* 1993. *Cancer Res.* 53:5051.
3. Holtkamp G, *et al.* 1999. *Eur. J. Immunol.* 29:215.
4. Kim J, *et al.* 2003. *Gene Ther.* 10:1543.

Related Products: **Product**
 HRP Avidin
 TMB Substrate Reagent Set
 ELISA Assay Diluent (5X)
 Biotin anti-human IL-1 RA

Clone
 Avidin
 Poly5095

Application
 ELISA, ELISPOT, IHC, WB
 ELISA
 ELISA
 ELISA Detection



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