



20150206ML

Anti-Human IL-1 receptor antagonist (#2V23)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M501
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat) immunized with human recombinant protein of IL-1ra.

Target Background

Synonyms (Target):	IL1RN; DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA; IL-1F3
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IL-1 receptor antagonist (IL-1ra) was originally isolated from the urine of patients with monocytic leukemia and has also been purified from adherent monocytes. The protein shows 26% amino acid homology to IL-1 beta and 19% homology to IL-1 alpha. It will compete with either factor for receptor binding, but does not interact with either one. Human IL-1ra will bind to both types of IL-1 receptor (I and II) on human cells. In mouse, IL-1RII does not bind IL-1ra.

Database References Target

Protein RefSeq:	NP_776214.1
Uniprot ID:	P18510
mRNA RefSeq:	NM_173842.2

Product Specifications

Host	Rat
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#2V23)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	human recombinant protein of IL-1ra
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human IL-1 receptor antagonist.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB

Recommended usage:

Western Blot: 1:500 - 1:2000

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!