



20150116ML

Anti-Mouse IL-1 receptor antagonist (#5K21)

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

Cat.-no.:	103-M413
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 mouse recombinant protein of IL-1R antagonist.

Target Background

Synonyms (Target):	Il1rn; IL-1ra; F630041P17Rik
---------------------------	------------------------------

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_112444.1
Uniprot ID:	P25085
mRNA RefSeq:	NM_031167.5

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#5K21)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein of IL-1R antagonist
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 detects specifically mouse IL-1R antagonist with WB.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB

Recommended usage:

WB: 1:50-200

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