

Datasheet for 109-401-304**IL-1 Receptor Type I Antibody****Overview**

Description:	Anti-Human IL-1 Receptor Type I (IL-1RI) (RABBIT) Antibody - 109-401-304
Item No.:	109-401-304
Size:	1 mL
Applications:	WB
Reactivity:	Human, Primate
Host Species:	Rabbit

Product Details

Background:	IL-1 Receptor Type I is a cytokine receptor which binds interleukin 1. Anti-IL-1 Receptor Type I antibody is ideal for researchers interested in Immunology, Signal Transduction and Cancer.
Synonyms:	IL1RT1 antibody, Interleukin 1 receptor alpha type 1 antibody, Interleukin 1 receptor antagonist protein (IRAP) antibody, Antigen CD121a antibody, CD121A antibody, CD121a antigen antibody, D2S1473 antibody, IL 1 antibody, rabbit anti-IL-1 Receptor Type I Antibody, rabbit anti-interleukin-1 Receptor Type I Antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Gene Name:	IL1R1
Reactivity:	Human, Primate
Immunogen Type:	Recombinant Protein
Immunogen:	IL-1 Receptor Type I Antibody was prepared by repeated immunizations with recombinant human IL-1R type I.

Purity/Specificity: This antiserum has been heated to 56°C for 30 minutes. The antiserum is directed against the extracellular domain of the human IL-1R type I, but precipitates the intact receptor expressed on human cells. In general, this antibody also detects primate IL-1RI. The antibody does not recognize human IL-1, IL-1Ra or IL-1R type II. In ELISA formats and other immunoreactive assays, this antibody will detect the extracellular domain of the IL-1R type I (also called soluble IL-1R type I or "decoy" receptor) found in human body fluids, particularly in the circulation, urine and supernatants of cells and synovial fluid.

Relevant Links:

- [NCBI - P14778.1](#)
- [UniProtKB - P14778](#)
- [GeneID - 3554](#)

Application Details

Tested Applications: WB

Application Note: This antiserum against anti-Human IL-1 Receptor Type I (IL-1RI) has been tested in western blot. This antibody is suitable for use in ELISA, radioimmunoassays and immunoprecipitation. Reactivity in other immunoassays is unknown. This product has been assayed for the ability to immunoprecipitate antigen. A dilution range of 1:400 to 1:800 is suggested for this immunoassay. For immunoprecipitation, pre-clearing with a non-specific rabbit IgG is helpful to reduce background. This product has been assayed by ELISA against soluble (extracellular) IL-1RI using HRP Conjugated Anti-Rabbit IgG [H&L] (Goat) (code # 611-1302) and ABTS as a substrate for 30 minutes at room temperature. A working dilution range of 1:1,000 to 1:2000 is suggested for this product. This product has been assayed by radioimmunoassay against antigen. A dilution of 1:8,000 is suggested for this immunoassay.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: User Optimized

FC: User Optimized

IHC: User Optimized

IP: User Optimized

Neutralization: User Optimized

WB: User Optimized

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 84 mg/mL by Refractometry

Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store IL-1 Receptor Type I Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.