

Datasheet for 209-401-305**IL-1 Receptor Type II Antibody****Overview**

Description:	Anti-Human IL-1 Receptor Type II (IL-1RII) (RABBIT) Antibody - 209-401-305
Item No.:	209-401-305
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Interleukin 1 receptor type II binds to IL-1 alpha, IL-1 beta and IL1R1/IL1RA. Anti-IL-1 Receptor Type II antibody is ideal for investigators involved in Immunology and Stem Cell research.
Synonyms:	rabbit anti-IL-1 Receptor Type II Antibody, rabbit anti-interleukin-1 receptor beta type II antibody, IL1R Beta antibody, IL1r-2 antibody, IL1R2 antibody, IL1RB antibody, Interleukin 1 receptor beta type II antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL1R2
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	The whole rabbit serum used to produce this IgG fraction antibody was prepared by repeated immunizations with recombinant human IL-1R type II.

Purity/Specificity: This is an IgG preparation of whole rabbit serum purified by Protein A chromatography. The antibody is directed against the extracellular domain of the human IL-1R type II, but precipitates the intact receptor expressed on human cells. In general, this antibody also detects primate IL-1RII. The antibody does not recognize human IL-1, IL-1Ra or IL-1R type I. In ELISA formats and other immunoreactive assays, this antibody will detect the extracellular domain of the IL-1R type II (also called soluble IL-1R type II) found in human body fluids, particularly in the circulation, urine and supernatants of cells and synovial fluid. This antibody can be used for FACS analysis. Caution should be exhibited as the F (c) domain of the rabbit IgG molecule may interact with cells non-specifically.

Relevant Links:

- [NCBI - P27930.1](#)
- [UniProtKB - P27930](#)
- [GenelD - 7850](#)

Application Details

Tested Applications: ELISA, WB

Application Note: This IgG fraction antibody of anti-Human IL-1 Receptor Type II (IL-1RII) has been tested for use in ELISA and Western Blot and is suitable for use in radioimmunoassays, flow cytometry and immunoprecipitation. Reactivity in other immunoassays is unknown. IL-1RII has been termed p68 or CD121 in some laboratories. IL-1RII has been shown to bind IL-1, IL-1a and IL-1b. This product has been assayed by immunoblot using HRP Goat-anti-Rabbit IgG [H&L] (code # 611-1302) and TMB as a substrate. A working dilution range of 1:200 to 1:400 is suggested for immunoblot. This product has been assayed by ELISA against soluble (extracellular) IL-1RII 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 ELISA. For use in ELISA formats, this antibody is best used as the second antibody in combination with a monoclonal antibody as a capture antibody. A dilution range of 1:400 to 1:800 is suggested for immunoprecipitation. For immunoprecipitation, pre-clearing with a non-specific rabbit IgG is helpful to reduce background. A dilution of 1:8,000 is suggested for radioimmunoassay.

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

ELISA: 1:1,000 - 1:5,000

FC: User Optimized

IP: User Optimized

WB: 1:500 - 1:2,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium 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 vial 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.