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Datasheet for 209-401-308

TNF p55 Receptor Antibody

Overview

Description:	Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - 209-401-308
Item No.:	209-401-308
Size:	1 mg
Applications:	ELISA, IP, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Human TNF p55 Receptor Antibody recognizes TNFR1, the p55 soluble TNFR protein. sTNFRp55 is one of the two transmembrane receptors for tumor necrosis factor (TNF) with different molecular weight, 55 kD (p55) and 75 kD (p75), have been identified. The extracellular part of both receptors are shedded by proteolytic cleavage and exist as soluble receptors which bind to TNF in plasma and other biological fluids. sTNFR proteins have been implicated in certain leukemias. Anti-sTNFRp55 antibody is suitable for researchers in Cancer, Immunology, and Cell Biology.
Synonyms:	rabbit anti-TNFp55 Receptor Antibody, TBP1 antibody, TNFR1 antibody, TNFR55 antibody, TNFRSF1A antibody, Tumor necrosis factor alpha receptor antibody, Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a, Tumor necrosis factor receptor superfamily member 1A membrane form, Tumor necrosis factor-binding protein 1, TBPI , TNFRSF1A, TNFAR, TNFR1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TNFRSF1A
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 sTNFRp55 expressed in Chinese Hamster Cells.
Purity/Specificity:	Anti-Human TNF p55 Receptor Antibody is an IgG preparation of whole rabbit serum purified by Protein G chromatography. This antibody is directed against the extracellular domain of the cell bound human TNFRp55. In general, this antibody also detects primate sTNFRp55. The antibody does not recognize human sTNFRp75. In ELISA formats and other immunoreactive assays, this antibody will detect the extracellular domain of the TNFRp55 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 - P19438.1 • UniProtKB - P19438 • GeneID - 7132

Application Details

Tested Applications:	ELISA, IP, WB
Application Note:	Anti-TNF p55 Receptor (sTNFRp55) antibody has been tested for use in ELISA, radioimmunoassays, immunoblotting, flow cytometry and immunoprecipitation. Reactivity in other immunoassays is unknown. This product has been assayed for the ability to immunoprecipitate antigen and a dilution range of 1:400 to 1:800 is suggested. For immunoprecipitation, pre-clearing with a non-specific rabbit IgG is helpful to reduce background. This product has been assayed by immunoblot and a working dilution range of 1:200 to 1:400 is suggested for this application. This product has been assayed by ELISA against soluble (extracellular) sTNFRp55 at a dilution range of 1:2,000 to 1:8,000. For use in ELISA formats, this antibody is best used as the second antibody in combination with a monoclonal antibody as a capture antibody. 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:	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:	1.0 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.