

**Datasheet for 109-401-308S****TNF p55 Receptor Antibody****Overview**

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|----------------------|-------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - 109-401-308S |
| <b>Item No.:</b>     | 109-401-308S                                                            |
| <b>Size:</b>         | 25 µL                                                                   |
| <b>Applications:</b> | ELISA, WB                                                               |
| <b>Reactivity:</b>   | Human, Primate                                                          |
| <b>Host Species:</b> | Rabbit                                                                  |

**Product Details**

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| <b>Background:</b>   | Tumor necrosis factor receptor superfamily member 1A (TNF p55 Receptor) is a receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. It contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. |
| <b>Synonyms:</b>     | 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                                                                                                        |
| <b>Host Species:</b> | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format:</b>       | Antiserum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

|                    |                |
|--------------------|----------------|
| <b>Gene Name:</b>  | TNFRSF1A       |
| <b>Reactivity:</b> | Human, Primate |

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| <b>Immunogen Type:</b>     | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen:</b>          | The whole rabbit serum was prepared by repeated immunizations with recombinant human sTNFRp55 expressed in Chinese Hamster Cells.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity/Specificity:</b> | This antiserum has been heated to 56°C for 30 minutes. The antiserum 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. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"> <li><a href="#">NCBI - P19438.1</a></li> <li><a href="#">UniProtKB - P19438</a></li> <li><a href="#">GeneID - 7132</a></li> </ul>                                                                                                                                                                                                                                                                                                                             |

## Application Details

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| <b>Tested Applications:</b> | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Application Note:</b>    | This antiserum against Human TNF p55 Receptor (sTNFRp55) has been tested for use in ELISA, radioimmunoassays, immunoblotting 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 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 this application. This product has been assayed by ELISA against soluble (extracellular) sTNFRp55 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 1:2,000 is suggested for this product. 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. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ELISA:</b>               | 1:1,000 - 1:5,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>IP:</b>                  | 1:400 to 1:800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>WB:</b>                  | 1:500 - 1:2,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Formulation

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|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
|------------------------|---------------------------|

|                       |                           |
|-----------------------|---------------------------|
| <b>Concentration:</b> | 85 mg/mL by Refractometry |
| <b>Buffer:</b>        | None                      |
| <b>Preservative:</b>  | None                      |
| <b>Stabilizer:</b>    | None                      |

## Shipping & Handling

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| <b>Shipping Condition:</b> | Dry Ice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Condition:</b>  | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| <b>Expiration:</b>         | 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.