

**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody**  
**TNF p55 Receptor Antibody**  
**Catalog # ASR4915****Specification**

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**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, IP, I, LCI
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.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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.
Preservative	0.01% (w/v) Sodium Azide

**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - Additional Information**

Gene ID 7132

**Other Names**

7132

**Purity**

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.

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - Protein Information****Name** TNFRSF1A**Synonyms** TNFAR, TNFR1**Function**

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. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein Golgi apparatus membrane; Single-pass type I membrane protein. Secreted. Note=A secreted form is produced through proteolytic processing

**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - Images****Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - 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.