

Anti-Mouse TNF- (RABBIT) Antibody - 210-401-321

Code: 210-401-321

Size: 1 mg

Product Description: Anti-Mouse TNF- (RABBIT) Antibody - 210-401-321

Concentration: 1.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	TNFA
Species Reactivity	mouse
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	rabbit anti-TNF alpha antibody, rabbit anti-TNFa antibody, rabbit anti-tumor necrosis factor alpha antibody, APC1 antibody, Cachectin antibody, DIF antibody, Differentiation inducing factor antibody, Macrophage cytotoxic factor antibody, MCF antibody, Necrosin antibody, TNF-alpha, Tumor necrosis factor ligand superfamily member 2, TNF-a, TNFA
Application Note	This antibody against Mouse TNF has been tested for use in neutralizations, ELISA, immunohistochemistry, radioimmunoassay, immunoprecipitation, and immunoblotting. It recognizes the 17,000 MW TNF. Reactivity in other immunoassays is unknown. This antibody will recognize the cell-bound precursor of TNF as a 26,000 protein in immunoblots, particularly in denatured samples. This antibody is also useful for neutralization of mouse activity in bioassays. It does not neutralize the biological activity of lymphotoxin. For neutralization, it is recommended to incubate the sample with a 1:200 dilution of the antibody for at least 4 hours before being tested. A control of similarly diluted normal rabbit IgG is recommended.
Background	TNF alpha Antibody detects TNF-a protein. TNF-a is a cytokine that binds to TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It is a potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia. Under certain conditions it can stimulate cell proliferation and induce cell differentiation. Anti-TNF-alpha Antibody is ideal for investigators involved in Cell Signaling, Immunology and Signal Transduction research.
Purity And Specificity	TNF alpha Antibody has been heated to 56°C for 30 minutes. The antibody is directed against mature 17,000 MW mouse TNF and is useful in determining its presence in various assays. The antibody does not recognize mouse TNFβ (lymphotoxin).
Assay Dilutions	User Optimized
ELISA	1:1,000 - 1:5,000
Western Blot	1:500 - 1:2,000
Immunohistochemistry	User Optimized
Neutralization	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This antibody was produced from whole rabbit serum prepared by repeated immunizations with recombinant mouse TNF produced in E.coli.

Related Products

010-001-321

TNF-a Mouse Recombinant Protein - 010-001-321(1)

109-401-308	Anti-Human TNF p55 Receptor (sTNFRp55) (RABBIT) Antibody - 109-401-308
110-401-321	Anti-Mouse TNFa (RABBIT) Antibody - 110-401-321
209-401-306	Anti-Human TNF-a (RABBIT) Antibody - 209-401-306

Related Links

NCBI - P06804.2

<http://www.ncbi.nlm.nih.gov/protein/P06804.2>

UniProtKB - P06804

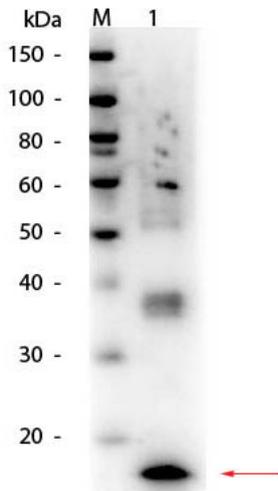
<http://www.uniprot.org/uniprot/P06804>

GeneID - 21926

Images

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Western Blot of Mouse TNFa Antibody. Lane 1: Mouse TNFa. Load: 50 ng per lane. Primary antibody: Mouse TNFa antibody at 1:1,000 overnight at 4°C. Secondary antibody: HRP rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 17 kDa, 17 kDa for Mouse TNFa.



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.