
TNFR1 Rabbit pAb

Catalog Number: bs-2941R

Target Protein: TNFR1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Cow, Dog, Horse)

Predicted MW: 50 kDa

Entrez Gene: 7132

Swiss Prot: P19438

Source: KLH conjugated synthetic peptide derived from human TNFR1/TNF Receptor I: 1-100/455.

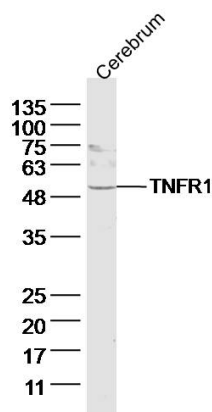
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

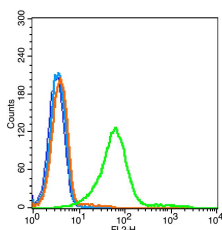
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

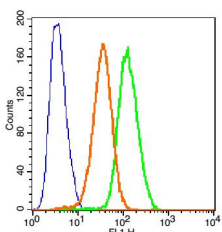
VALIDATION IMAGES



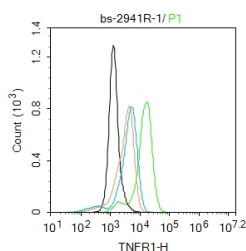
Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti-TNFR1 (bs-2941R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Blank control: TM4 (blue). Primary Antibody: Rabbit Anti-TNFR2 antibody (bs-2941R), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control (blue): Hep G2 Cells (fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice). Primary Antibody: Rabbit Anti-TNFR1/FITC Conjugated antibody (bs-2941R/FITC), Dilution: 1 µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC (orange), used under the same conditions.



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-TNFR1 antibody (bs-2941R) Dilution: 1 µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 1 µg / test. Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.551] Zhang H et al. Aluminum trichloride caused hippocampal neural cells death and subsequent depression-like behavior in rats via the activation of IL-1β/ JNK signaling pathway. Sci Total Environ. 2020 May 1;715:136942. WB ; Rat . 32007895

[IF=4.6] Shuli Yang, et al. Enrichment and Evaluation of Antitumor Properties of Total Flavonoids from Juglans mandshurica Maxim. MOLECULES. 2024 Jan;29(9):1976 WB ; Human . 38731467

[IF=2.914] Liu L et al. Giardia duodenalis induces extrinsic pathway of apoptosis in intestinal epithelial cells through activation of TNFR1 and K63 de-ubiquitination of RIP1 in vitro. Microb Pathog . 2020 Dec;149:104315. WB ; Human . 32525021

[IF=2.948] Gokhan Ozge, et al. Salubrinal Ameliorates Inflammation and Neovascularization via the Caspase 3/Enos Signaling in an Alkaline-Induced Rat Corneal Neovascularization Model. MED LITH. 2023 Feb;59(2):323 IHC ; Rat . 36837524

[IF=2.38] Abdel-Hamid, Nagwa I., Mona F. El-Azab, and Yasser M. Moustafa. "Macrolide antibiotics differentially influence human HepG2 cytotoxicity and modulate intrinsic/extrinsic apoptotic pathways in rat hepatocellular carcinoma model." Naunyn-Schmiedeberg's Archives of Pharmacology (2017): 1-17. IHC ; "Rat" . 28070612