
CD40/TNFRSF5 Rabbit pAb

Catalog Number: bs-2929R

Target Protein: CD40/TNFRSF5

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 30 kDa

Detected MW: 44-50 kDa

Entrez Gene: 958

Swiss Prot: P25942

Source: KLH conjugated synthetic peptide derived from human CD40/TNFRSF5.: 201-277/277.

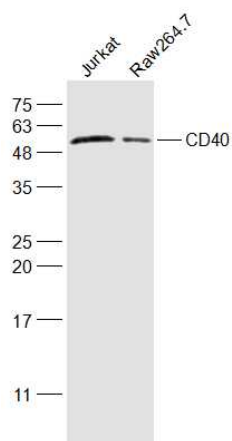
Purification: affinity purified by Protein A

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

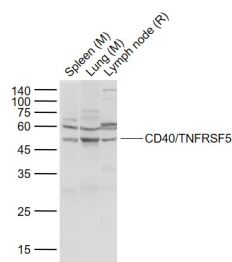
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Predicted to enable antigen binding activity; protein domain specific binding activity; and ubiquitin protein ligase binding activity. Involved in B cell mediated immunity; CD40 signaling pathway; and cellular calcium ion homeostasis. Acts upstream of or within several processes, including defense response to other organism; positive regulation of B cell activation; and positive regulation of interleukin-12 production. Located in external side of plasma membrane and intracellular membrane-bounded organelle. Part of CD40 receptor complex. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; autoimmune disease (multiple); end stage renal disease; hyperimmunoglobulin syndrome (multiple); and non-Hodgkin lymphoma (multiple). Orthologous to human CD40 (CD40 molecule). [provided by Alliance of Genome Resources, Apr 2022]

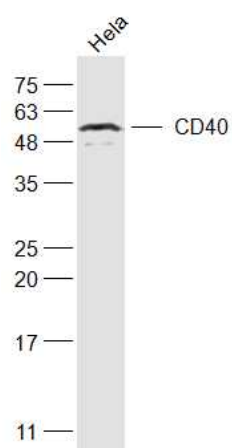
VALIDATION IMAGES



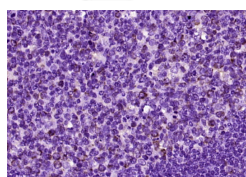
Sample: Jurkat(Human) Cell Lysate at 30 ug Raw264.7(Mouse) Cell Lysate at 30 ug Primary: Anti-CD40(bs-2929R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 52 kD



Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug Lane 2: Lung (Mouse) Lysate at 40 ug Lane 3: Lymph node (Rat) Lysate at 40 ug Primary: Anti-CD40/TNFRSF5 (bs-2929R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 44-50 kD Observed band size: 50 kD



Sample: HeLa(Human) Cell Lysate at 30 ug Primary: Anti-CD40(bs-2929R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 52 kD



Paraformaldehyde-fixed, paraffin embedded (human tonsil tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD40) Polyclonal Antibody, Unconjugated (bs-2929R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.182] Chengxiao Wang. et al. Dissolvable microneedles based on Panax notoginseng polysaccharide for transdermal drug delivery and skin dendritic cell activation. Carbohydr Polym. 2021 May;;118211 IHC ; Mouse . 34127215

[IF=6.819] Xinxin Yu. et al. Nanotherapy for bone repair: milk-derived small extracellular vesicles delivery of icariin. DRUG DELIV. 2023;30(1):Article: 2169414 WB ; Cow . 36714914

[IF=6] Jose-Andres C. Portillo. et al. Advanced Glycation End Products Upregulate CD40 in Human Retinal Endothelial and Müller Cells: Relevance to Diabetic Retinopathy. CELLS-BASEL. 2024 Jan;13(5):429 IF ; Human . 38474393

[IF=3.644] Dong Ming. et al. FBS-Derived Exosomes as a Natural Nano-Scale Carrier for Icariin Promote Osteoblast Proliferation. Front Bioeng Biotech. 2021 Feb;9:146 WB ; Mouse . 33718337

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[IF=2.245] Dahan Yang. et al. Tandem Mass Tag-Based Quantitative Proteomic Analysis of Chicken Bursa of Fabricius Infected With Reticuloendotheliosis Virus. Front Vet Sci. 2021; 8: 666512 WB ; Chicken . 34113672