

bs-2929R**[Primary Antibody]****CD40/TNFRSF5 Rabbit pAb****Bioss**
ANTIBODIES

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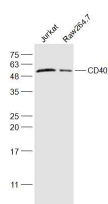
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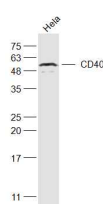
400-901-9800

— DATASHEET —

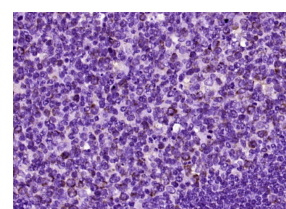
Host: Rabbit Clonality: Polyclonal GeneID: 958 Target: CD40/TNFRSF5 Immunogen: KLH conjugated synthetic peptide derived from human CD40/TNFRSF5.: 201-277/277. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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]	Isotype: IgG SWISS: P25942	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 Subcellular Location: Secreted ,Cell membrane
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— 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: 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.

— SELECTED CITATIONS —

- **[IF=7.182]** Chengxiao Wang. et al. Dissolvable microneedles based on Panax notoginseng polysaccharide for

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- 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
 - **[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