

Anti-CD40 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Rabbit)
Molecular Weight:	Theoretical: 30 kDa. Actual: 52 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (human tonsil tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CD40) Polyclonal Antibody, Unconjugated (TMAB-00365) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Lane 1: Spleen (Mouse) Lysate at 40 µg

Lane 2: Lung (Mouse) Lysate at 40 µg

Lane 3: LymphNode (Rat) Lysate at 40 µg

Primary: Anti-CD40/TNFRSF5 (TMAB-00365) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44-50 kDa

Verified Activity: Observed band size: 50 kDa

3. Sample:

Hela (Human) Cell Lysate at 30 µg

Primary: Anti-CD40 (TMAB-00365) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30 kDa

Observed band size: 52 kDa

4. Sample:

Jurkat (Human) Cell Lysate at 30 µg

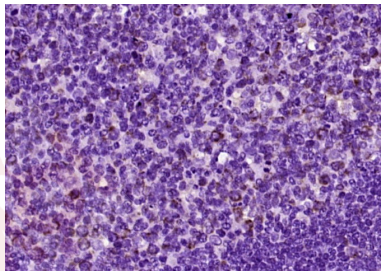
Raw264.7 (Mouse) Cell Lysate at 30 µg

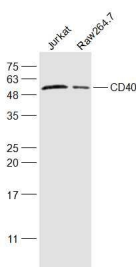
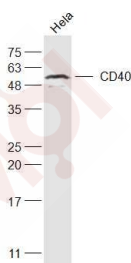
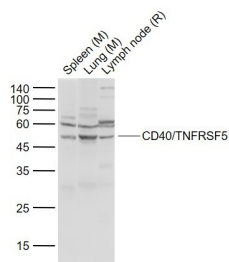
Primary: Anti-CD40 (TMAB-00365) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30 kDa

Observed band size: 52 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD40/TNFRSF5.

Antigen Species: Human

Gene ID: 958

Uniprot ID: P25942

Synonyms: CD40 molecule, TNF receptor superfamily member 5;TNFRSF5;p50;Bp50;CDW40

Biology Area: Innate and adaptive immunity,CD,B Lymphocytic Lineage,Dendritic Cell Lineage

Research 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-

A DRUG SCREENING EXPERT

Hodgkin lymphoma (multiple). Orthologous to human CD40 (CD40 molecule). [provided by Alliance of Genome Resources, Apr 2022]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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