

CD40L Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251649

Unit: 0.1 mg

Description:

CD40L mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4, and is involved in immunoglobulin class switching. Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and a matrix metalloproteinases (MMP) inhibitor-sensitive pathway. Defects in CD40LG are the cause of X-linked immunodeficiency with hyper-IgM type 1, also known as X-linked hyper IgM syndrome (XHIM). HIGM1 is an immunoglobulin isotype switch defect characterized by elevated concentrations of serum IgM and decreased amounts of all other isotypes. Affected males present at an early age (usually within the first year of life) recurrent bacterial and opportunistic infections, including *Pneumocystis carinii* pneumonia and intractable diarrhea due to cryptosporidium infection. Despite substitution treatment with intravenous immunoglobulin, the overall prognosis is rather poor, with a death rate of about 10% before adolescence.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

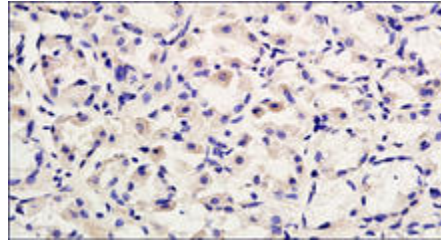
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: CD40-L; CD40 ligand; TNFSF5; CD154; Tumor necrosis factor ligand superfamily member 5; TRAP; T-cell antigen Gp39; CD40LG; CD40L

Accession No.: P29965

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human CD40L.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



CD40L staining in human stomach. Paraffin-embedded human stomach tissue is stained with CD40L Antibody (Cat. No. 251649) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.