

Product datasheet for TA320278

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CD40 Mouse Monoclonal Antibody [Clone ID: 5C3]

Product data:

Product Type: Primary Antibodies

Clone Name: 5C3

Reactivity: Flow, IHC

Human

Host: Mouse

Clonality: Monoclonal

Formulation: Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Gene Name: CD40 molecule

Database Link: NP 001241

Entrez Gene 958 Human

P25942

Background: The 5C3 monoclonal antibody reacts with human CD40, a 45-50 kDa type I transmembrane

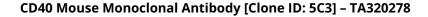
glycoprotein. CD40 is a member of the TNFR family and is expressed by B lymphocytes, follicular dendritic cells, thymic epithelium, and a subset of peripheral T cells. CD40 regulates B cell development and maturation by inducing Ig isotype-switching and in combination with other signals such as IL-4, protects B cells from surface Ig-induced apoptosis and promotes proliferation. Interaction of CD40 with CD154 (gp39), its ligand on T cells, is important in T-B cell crosstalk and plays a role in costimulation and immune regulation. 5C3 is reported to be

used for activation of B cells in in vitro functional assays.

Synonyms: Bp50; CDW40; p50; TNFRSF5

Protein Families: Druggable Genome, Secreted Protein, Transmembrane







Protein Pathways:

Allograft rejection, Asthma, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Cytokine-cytokine receptor interaction, Primary immunodeficiency, Systemic lupus erythematosus, Toll-like receptor signaling pathway, Viral myocarditis