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36-3607: Anti-CD40 / TNFRSF5 / CD40L-Receptor Monoclonal Antibody(Clone: T8P2G4*A6)

Clonality :	Monoclonal
Clone Name :	T8P2G4*A6
Application :	IF,FACS
Reactivity :	Human
Gene :	CD40
Gene ID :	958
Uniprot ID :	P25942
Alternative Name :	B-cell surface antigen CD40; Bp50; CD40; CD40L receptor; GP39; HIGM1; IGM; IMD3; p50; TBAM; TNF receptor superfamily member 5; TNFRSF5; TRAP
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Ovalbumin-conjÂµgated synthetic peptide (RDPVCHPLGA) from the C-terminal of human CD40

Description

This antibody is specific for the soluble form of CD40.It is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thoÂµght to be an early event in Alzheimer disease pathogenesis. CD40 is expressed on B-lymphocytes, follicular dendritic cells, bone marrow-derived dendritic cells, thymic epithelium, and interdigitating cells in the T-cell zones of secondary lymphoid organs.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunofluorescence (1-2ug/ml); Flow Cytometry (1-2ug/million cells)

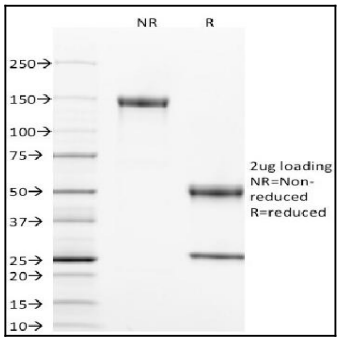

Fig. 1: SDS-PAGE Analysis Purified CD40 Mouse Monoclonal Antibody (T8P2G4*A6). Confirmation of Integrity and Purity of Antibody.

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