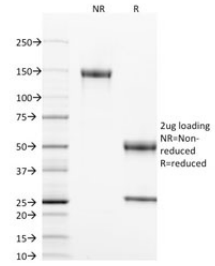
CD40 Antibody [clone T8P2G4*A6] (V3792)

Catalog No.	Formulation	Size
V3792-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3792-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3792SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	T8P2G4*A6
Purity	Protein G affinity chromatography
UniProt	P25942
Localization	Cell surface and cytoplasmic
Applications	Immunofluorescence: 1-2ug/ml Flow cytometry: 0.5-1ug/10^6 cells
Limitations	This CD40 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD40 antibody (clone T8P2G4*A6) as confirmation of integrity and purity.

Description

This antibody is specific for the soluble form of CD40.Ã‚Â 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 thought 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.

Application Notes

Optimal dilution of the CD40 antibody should be determined by the researcher.

Immunogen

C-terminal region amino acids RDPVCHPLGA were used as the immunogen for the CD40 antibody.

Storage

Store the CD40 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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