CD40 / TNFRSF5 / CD40L-Receptor Antibody

Mouse Monoclonal Antibody [Clone C40/1605]

Catalog No	Format	Size
958-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
958-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
958-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

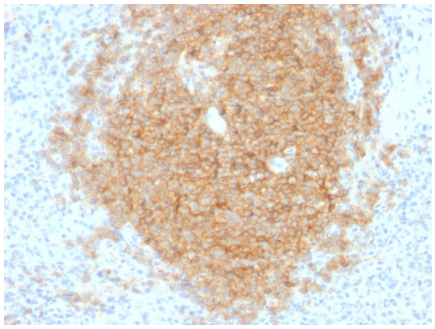
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

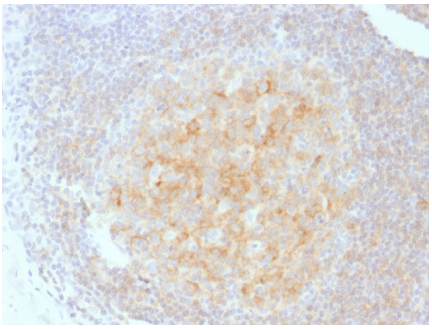
Clone	C40/1605
Gene Name	CD40
Immunogen	Recombinant full-length human CD40 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	43kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	L-428 cells. Tonsil, spleen or thymus., U2OS

**Optimal dilution for a specific application should be determined.*

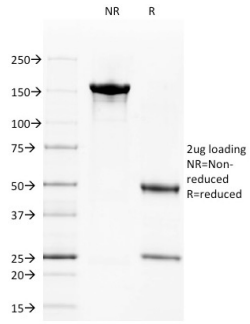
Product Images for CD40 / TNFRSF5 / CD40L-Receptor Antibody



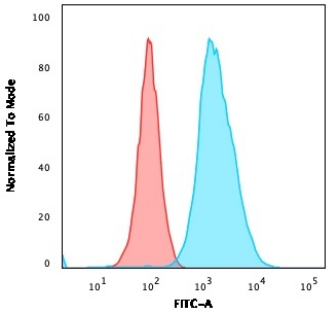
Formalin-fixed, paraffin-embedded human Spleen stained with CD40 Mouse Monoclonal Antibody (C40/1605).



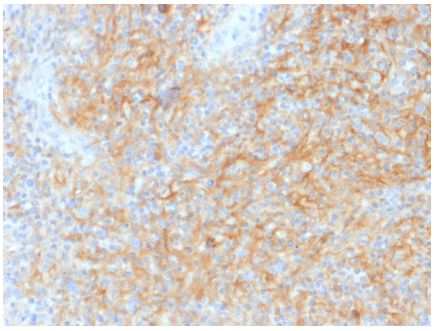
Formalin-fixed, paraffin-embedded human Tonsil stained with CD40 Mouse Monoclonal Antibody (C40/1605).



SDS-PAGE Analysis of Purified CD40 Mouse Monoclonal Antibody (C40/1605). Confirmation of Integrity and Purity of Antibody.



Flow Cytometric Analysis of U2OS cells using CD40 Mouse Monoclonal Antibody (C40/1605) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Formalin-fixed, paraffin-embedded human Hodgkin‚Äôs Lymphoma stained with CD40 Mouse Monoclonal Antibody (C40/1605).

Specificity & Comments

CD40 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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

AKT Signaling, B Cell Markers, Cardiovascular, Complement System, Cytokine Signaling, Immune checkpoint, Immuno Oncology, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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