

## Anti-CD40 / TNFRSF5 Monoclonal Antibody

Catalog Number: M00068

### About CD40

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.

### Overview

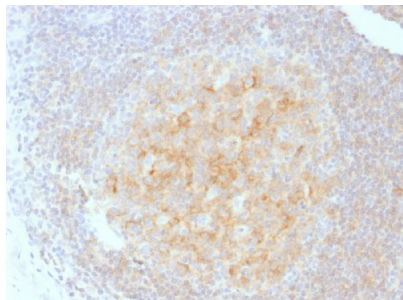
Product Name	Anti-CD40 / TNFRSF5 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD40 / TNFRSF5 Monoclonal Antibody (Catalog # M00068). Tested in IF, Flow Cytometry, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Monoclonal Clone: C40/1605
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P25942

### Technical Details

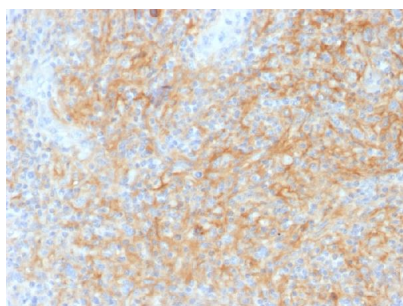
Immunogen	Recombinant full-length human CD40 protein
Predicted Reactive Species	Chimpanzee
Isotype	IgG1, kappa
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml

Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&amp;degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

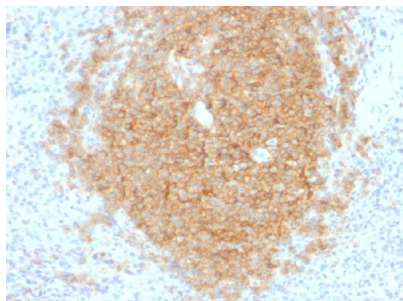
## Anti-CD40 / TNFRSF5 Monoclonal Antibody (M00068) Images



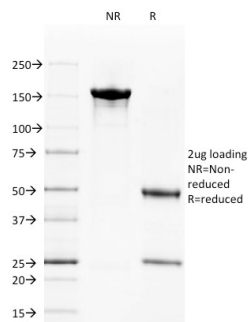
Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-CD40 Mouse Monoclonal Antibody (C40/1605).



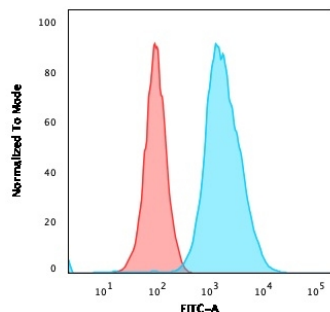
Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with Anti-CD40 Mouse Monoclonal Antibody (C40/1605).



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



SDS-PAGE analysis purified Anti-CD40 Mouse Monoclonal Antibody (C40/1605). Confirmation of integrity and purity of antibody.



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

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CD40 / TNFRSF5 Monoclonal Antibody