

CD40 Monoclonal antibody

Catalog Number: 66965-1-Ig

Basic Information

Catalog Number:

66965-1-Ig

Size:

1800 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28040

GenBank Accession Number:

BC012419

GeneID (NCBI):

958

ENSEMBL Gene ID:

ENSG00000101017

UNIPROT ID:

P25942

Full Name:

CD40 molecule, TNF receptor superfamily member 5

Calculated MW:

277 aa, 31 kDa

Observed MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

2A8G5

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:2500-1:10000

IF 1:200-1:800

Applications

Tested Applications:

IF-P, IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Raji cells, Daudi cells

IHC : human tonsillitis tissue, human lymphoma tissue

IF : human tonsillitis tissue,

Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

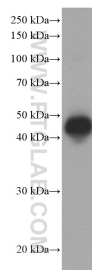
For technical support and original validation data for this product please contact:

T: 4006900926

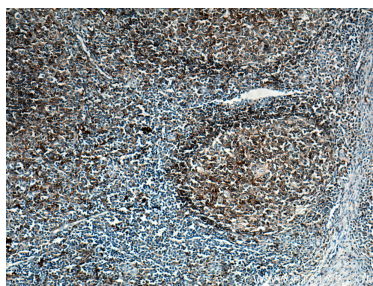
E: Proteintech-CN@ptglab.comW: ptgcn.com

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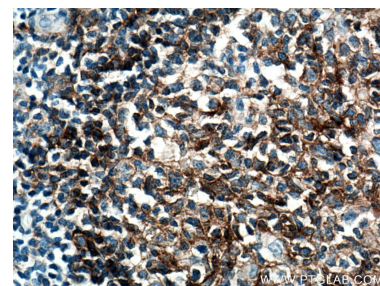
Selected Validation Data



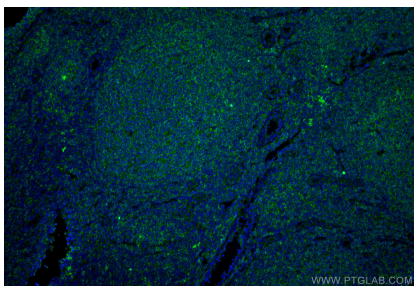
Raji cells were subjected to SDS PAGE followed by western blot with 66965-1-Ig (CD40 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



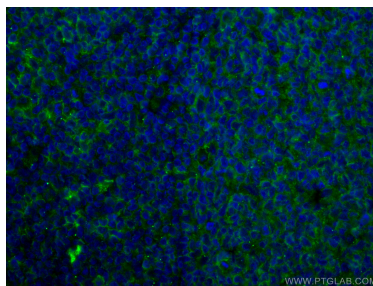
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66965-1-Ig (CD40 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66965-1-Ig (CD40 antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD40 antibody (66965-1-Ig, Clone: 2A8G5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD40 antibody (66965-1-Ig, Clone: 2A8G5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).