

For Research Use Only

CD40 Monoclonal antibody, PBS Only



Catalog Number: 66965-1-PBS

Basic Information

Catalog Number: 66965-1-PBS	GenBank Accession Number: BC012419	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 958	CloneNo.: 2A8G5
Source: Mouse	ENSEMBL Gene ID: ENSG00000101017	
Isotype: IgG1	UNIPROT ID: P25942	
Immunogen Catalog Number: AG28040	Full Name: CD40 molecule, TNF receptor superfamily member 5	
	Calculated MW: 277 aa, 31 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

Species Specificity:
Human

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 -80°C.

Storage Buffer:
PBS Only

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

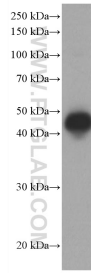
T: 4006900926

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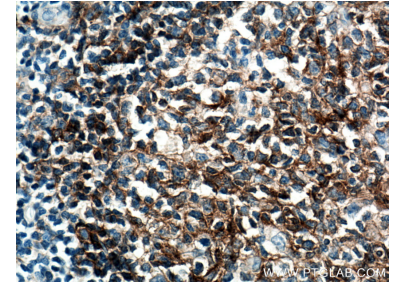
Selected Validation Data



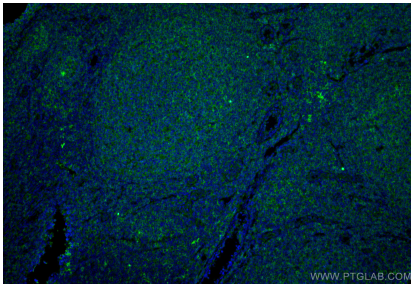
Raji cells were subjected to SDS PAGE followed by western blot with 66965-1-Ig (CD40 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66965-1-PBS in a different storage buffer formulation.



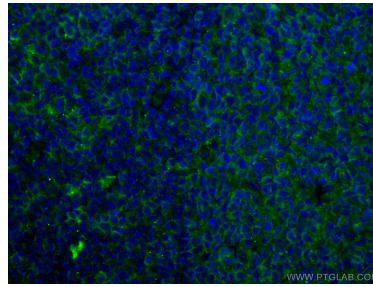
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66965-1-Ig (CD40 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)). This data was developed using the same antibody clone with 66965-1-PBS in a different storage buffer formulation.



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)). This data was developed using the same antibody clone with 66965-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66965-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66965-1-PBS in a different storage buffer formulation.