

CoraLite®594-conjugated CD40 Monoclonal antibody

Catalog Number: **CL594-66965**

Basic Information

Catalog Number: CL594-66965	GenBank Accession Number: BC012419	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 958	CloneNo.: 2A8G5
Source: Mouse	ENSEMBL Gene ID: ENSG00000101017	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	UNIPROT ID: P25942	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28040	Full Name: CD40 molecule, TNF receptor superfamily member 5	
	Calculated MW: 277 aa, 31 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF : human tonsillitis tissue,
Species Specificity: Human	

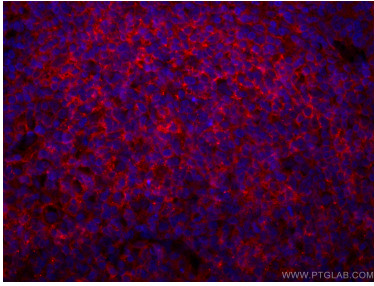
Background Information

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.

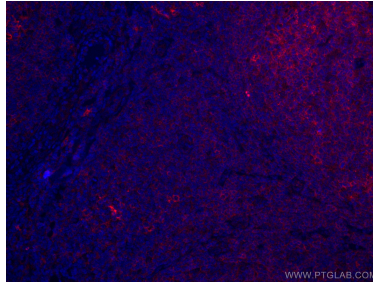
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594 CD40 antibody (CL594-66965, Clone: 2A8G5) at dilution of 1:200.



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