

CoraLite®594-conjugated CD27 Monoclonal antibody

Catalog Number: **CL594-66308**

Basic Information

Catalog Number: CL594-66308	GenBank Accession Number: BC012160	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 939	CloneNo.: 1C1G3
Source: Mouse	ENSEMBL Gene ID: ENSG00000139193	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	UNIPROT ID: P26842	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG24537	Full Name: CD27 molecule	
	Calculated MW: 29 kDa	
	Observed MW: 45-55 kDa	

Applications

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

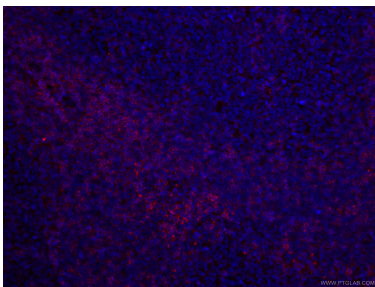
Background Information

CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity (PMID: 11062504). It is a receptor for CD70 (CD27L). Ligation of CD27 by CD70 induces strong ubiquitination of TRAF and the activation of both canonical and non-canonical NF-kappaB pathways, as well as the JNK pathway (PMID: 19426224). CD27 may also play a role in apoptosis through association with SIVA1.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
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 CL594-66308 (CD27 antibody) at dilution of 1:100.