For Research Use Only

CD27 Monoclonal antibody, PBS Only

Catalog Number:66308-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66308-1-PBS

Concentration:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG24537

GenBank Accession Number:
BC012160

GeneID (NCBI):
939

ENSEMBL Gene ID:
ENSG00000139193

UNIPROT ID:
P26842

Full Name:
CD27 molecule

Calculated MW:
29 kDa

Observed MW:
50-55 kDa

Purification Method:
Protein A purification

CloneNo.:
1C1G3

Applications

Tested Applications:
WB, IHC, IF-P, FC, ELISA

Species Specificity:
human, pig

Background Information

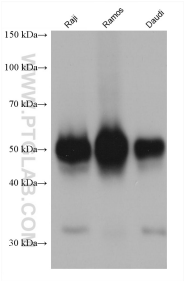
CD27 (also known as TNFRSF7) is a type I glycoprotein expressed on some B cells and the majority of T cells, and is a member of the tumor necrosis factor (TNF) receptor family. CD27 is required for generation and long-term maintenance of T cell immunity (PMID: 11062504). It is a receptor for CD70 (CD27L). 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

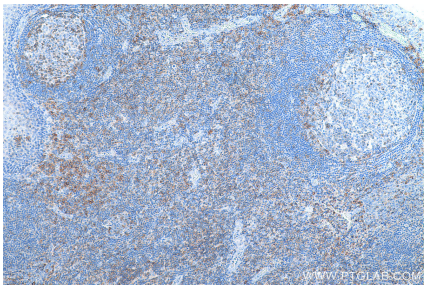
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

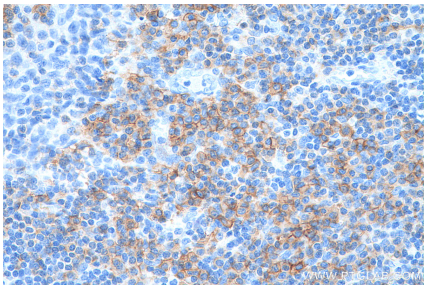
Selected Validation Data



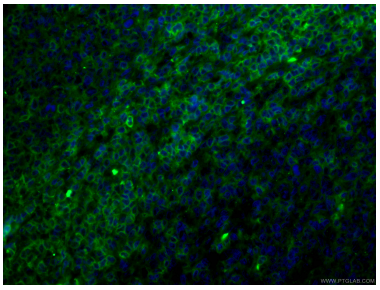
Various lysates were subjected to SDS PAGE followed by western blot with 66308-1-Ig (CD27 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



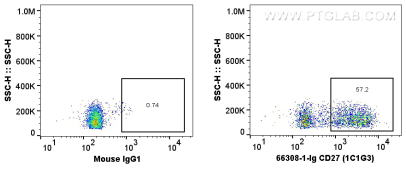
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66308-1-Ig (CD27 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



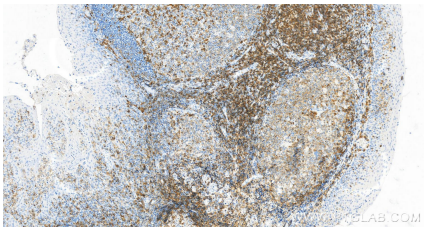
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66308-1-Ig (CD27 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



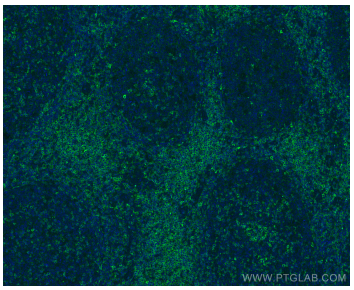
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66308-1-Ig (CD27 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



1x10^6 human PBMCs were surface stained with 0.2 μg CD27 Monoclonal antibody (66308-1-Ig, Clone:1C1G3) or 0.2 μg Mouse IgG1 isotype control (66360-1-Ig, Clone: T1F8D3F10), and CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO.RGAM005). Cells were not fixed. This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66308-1-Ig (CD27 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human tonsillitis tissue using CD27 antibody (66308-1-Ig, Clone: 1C1G3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66308-1-PBS in a different storage buffer formulation.