

For Research Use Only

# CD90 Monoclonal antibody, PBS Only



Catalog Number: 66766-1-PBS

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>66766-1-PBS       | <b>GenBank Accession Number:</b><br>BC065559    | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1 mg/ml                     | <b>GeneID (NCBI):</b><br>7070                   | <b>CloneNo.:</b><br>2D7D11                            |
| <b>Source:</b><br>Mouse                     | <b>UNIPROT ID:</b><br>P04216                    |   |
| <b>Isotype:</b><br>IgG2a                    | <b>Full Name:</b><br>Thy-1 cell surface antigen |   |
| <b>Immunogen Catalog Number:</b><br>AG25603 | <b>Calculated MW:</b><br>161 aa, 18 kDa         |   |
|   | <b>Observed MW:</b><br>28 kDa                   |   |

## Applications

**Tested Applications:**  
WB, Indirect ELISA, IHC, IF

**Species Specificity:**  
Human, pig, rat, rabbit, mouse

## Background Information

CD90, also known as THY1, is a 25-35 kD protein that is expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. CD90 is one of the essential surface molecules expressed on human MSC from bone marrow and other sources. Activation of Thy-1 has been reported to promote T cell activation. It also affects numerous nonimmunologic biological processes, including cellular adhesion, neurite outgrowth, tumor growth, migration, and cell death.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

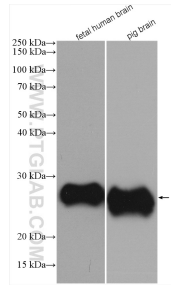
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

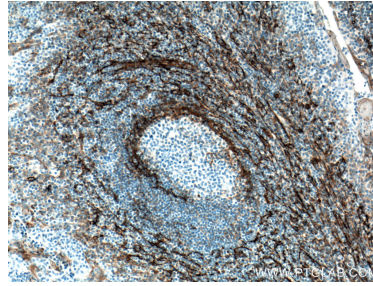
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

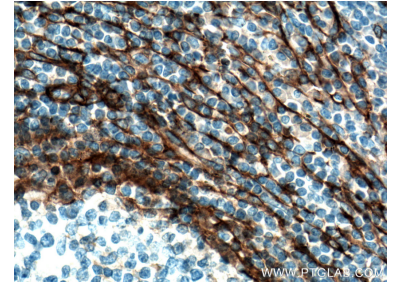
## Selected Validation Data



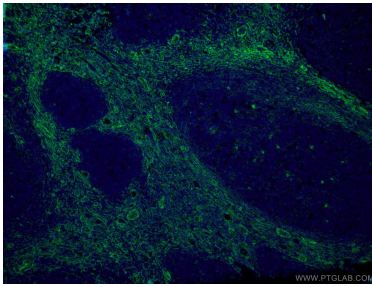
Various lysates were subjected to SDS PAGE followed by western blot with 66766-1-Ig (CD90 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66766-1-PBS in a different storage buffer formulation.



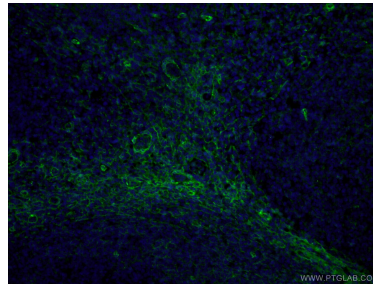
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66766-1-Ig (CD90 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66766-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66766-1-Ig (CD90 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66766-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66766-1-Ig (CD90 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66766-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66766-1-Ig (CD90 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66766-1-PBS in a different storage buffer formulation.