# Rabbit anti-Human, Rat CD90/Thy1 Monoclonal Antibody | anti-CD90/Thy1 antibody

Anti-CD90/Thy1 Rabbit Monoclonal Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA47081** | **Rabbit** | **Human, Rat** | **Western Blot, Immunohistochemistry** |

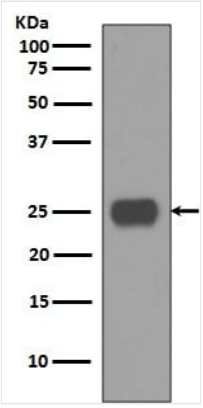
## PRODUCT SYNONYMS

CD90/Thy1; Monoclonal Antibody; Anti-CD90/Thy1 Rabbit Monoclonal Antibody; Thy-1 membrane glycoprotein; CDw90; Thy-1 antigen; CD90; THY1; anti-CD90/Thy1 antibody

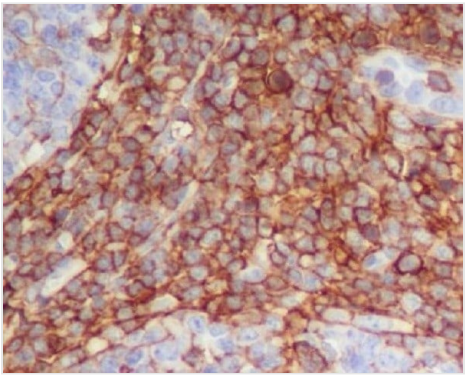
## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Rat |
| **Clonality** | Monoclonal |
| **Purity/Purification** | Affinity-chromatography |
| **Form/Format** | Liquid |
| **Sequence Length** | 161 |
| **Applicable Applications for anti-CD90/Thy1 antibody** | WB (Western Blot), IHC (Immunohistochemistry) |
| **Immunogen** | A synthesized peptide derived from human CD90/Thy1 |
| **Subcellular Localization** | Cell membrane; Lipid-anchor, GPI-anchor. |
| **Contents** | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Preparation and Storage** | Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

## IMAGES




**WB (Western Blot)**
Western blot analysis of CD90 expression in Human fetal brain lysate (AAA47081).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-THY1 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for THY1



**IHC (Immunohistochemistry)**
Immunohistochemical analysis of paraffin-embedded human tonsil, using CD90 / Thy1 Antibody(AAA47081)THY1 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-THY1 Antibody (AAA47081)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

## ADDITIONAL INFORMATION

| | |
|---|---|
| **Related Product Information for anti-CD90/Thy1 antibody** | May play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain. |
| **Product Categories/Family for anti-CD90/Thy1 antibody** | Immunology; Adaptive Immunity; T Cells; Neuroscience; Cell Type Marker; neuron marker; synapse marker; Stem Cells; Hematopoietic Progenitors; Lymphoid; B Lymphocytic Lineage; T Lymphocytic Lineage; Myeloid; monocytic lineage |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 902967471 |
| **NCBI GeneID** | 7070 |
| **NCBI Accession #** | NP_001298089.1 |
| **NCBI GenBank Nucleotide #** | NM_001311160.1 |
| **UniProt Accession #** | P04216; Q16008; Q9NSP1 |
| **Molecular Weight** | 17935 MW |
| **NCBI Official Full Name** | thy-1 membrane glycoprotein preproprotein |
| **NCBI Official Synonym Full Names** | Thy-1 cell surface antigen |
| **NCBI Official Symbol** | THY1 |
| **NCBI Official Synonym Symbols** | CD90; CDw90 |
| **NCBI Protein Information** | thy-1 membrane glycoprotein |
| **UniProt Protein Name** | Thy-1 membrane glycoprotein |
| **UniProt Gene Name** | **THY1** |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/cd90-thy1-antibody-western-blot-immunohistochemistry-elisa/47081