

## Anti-CD90/Thy-1 Antibody (6F192)

### Product Details

Ig Type:	IgG
Reactivity:	Rat,Mouse,Human
Molecular Weight:	Theoretical: 12 kDa. Actual: 25 kDa.
Clone:	6F192
Purification:	Protein A purified

### Applications

#### 1. Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Rat Thymus tissue lysates

Primary: Anti-CD90/Thy-1 (TMAB-04100) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12 kDa

Observed band size: 25 kDa

2. Paraformaldehyde-fixed, paraffin embedded Human Glioma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

#### Verified Activity:

4. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1:100 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy-1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.

7. Paraformaldehyde-fixed, paraffin embedded Rat Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD90/Thy-1 Monoclonal Antibody, Unconjugated (TMAB-04100) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.

## A DRUG SCREENING EXPERT

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Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:1000-5000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD90/Thy-1

Antigen Species: Human

Gene ID: 7070

Uniprot ID: P04216

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### Research Background

Thy-1 or CD90 (Cluster of Differentiation 90) is a 25-37 kDa heavily N-glycosylated, glycosylated phosphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. Thy-1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of Thy-1 led to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to some of the initial biochemical description and characterization of a vertebrate GPI anchor and also the first demonstration of tissue specific differential glycosylation.

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