

**bsm-43534M****[ Primary Antibody ]****CD90/Thy-1 Mouse mAb****Bioss**  
**ANTIBODIES**

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**— DATASHEET —****Host:** Mouse**Clonality:** Monoclonal**GeneID:** 7070**Target:** CD90/Thy-1**Immunogen:** Recombinant Human Thy-1 protein, C-His (HEK293): 20-141/161.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** Size : 50ul/100ul/200ul

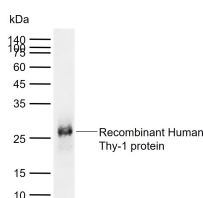
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

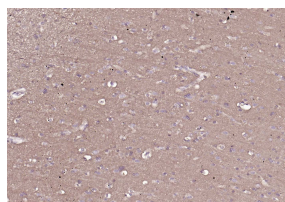
0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

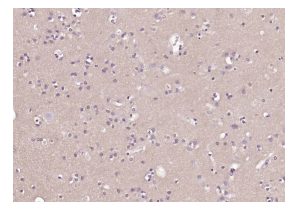
**Background:** Thy-1 or CD90 (Cluster of Differentiation 90) is a 25–37 kDa heavily N-glycosylated, glycosylated, glycosylated, glycosylated (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. Thy-1 can be used as a 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.

**Isotype:** IgG1**CloneNo.:** 7D3**SWISS:** P04216**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**Reactivity:** Human**Predicted MW.:** 12 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

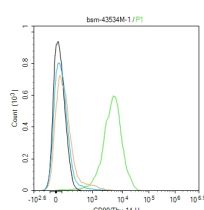
Sample: Lane 1: Recombinant Human Thy-1 protein, C-His (HEK293) Primary: Anti-CD90/Thy-1 (bsm-43534M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 12 kDa Observed band size: 26 kDa



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD90/Thy-1) Monoclonal Antibody, Unconjugated (bsm-43534M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD90/Thy-1) Monoclonal Antibody, Unconjugated (bsm-43534M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Blank control: Jurkat. Primary Antibody (green)

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

line): Mouse Anti-CD90/Thy-14 antibody  
(bsm-43534M) Dilution: 1ug/Test; Secondary  
Antibody (white blue line) : Goat anti-Mouse IgG-  
AF488 Dilution: 0.5ug/Test. Isotype control  
(orange line) : Normal Mouse IgG Protocol  
The cells were incubated in 5%BSA to block non-  
specific protein-protein interactions for 30 min  
at room temperature. Cells stained with Primary  
Antibody for 30 min at room temperature. The  
secondary antibody used for 40 min at room  
temperature. Acquisition of 20,000 events was  
performed.