

# Mouse CD90/Thy1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF7335

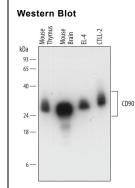
DESCRIPTION		
Species Reactivity	Mouse	
Specificity	Detects mouse CD90/Thy1 in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant human CD90/Thy1 is observed.	
Source	Polyclonal Sheep IgG	
Purification	Antigen Affinity-purified	
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse CD90/Thy1 Gln20-Lys130 Accession # P01831	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

#### APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 μg/mL	See Below

## DATA



Detection of Mouse CD90/Thy1 by Western Blot. Western blot shows lysates of mouse thymus tissue, mouse brain tissue, EL-4 mouse lymphoblast cell line, and CTLL-2 mouse cytotoxic T cell line. PVDF membrane was probed with 0.2 μg/mL of Sheep Anti-Mouse CD90/Thy1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7335) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for CD90/Thy1 at approximately 25-35 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

## PREPARATION AND STORAGE

Decemptitution	Storila DDS to a final concentration of 0.2 mg/ml
Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

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- 12 months from date of receipt, -20 to -70 °C as supplied.
  1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### BACKGROUND

CD90, also known as Thy1 (THYmocyte differentiation antigen 1) is a GPI-linked glycoprotein expressed by endothelial cells, hematopoietic stem cells, and in developing nervous tissue. Unlike human CD90, mouse CD90 is also highly expressed on T cells and is involved in T cell activation. CD90 may play a role in cell-cell or cell-ligand interactions during synaptogenesis and other events in the brain.

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