

Thy1 Antibody / CD90 (R30589)

Catalog No.	Formulation	Size
R30589	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P04216
Applications	Western blot : 0.5-1ug/ml
Limitations	This Thy1 antibody is available for research use only.



Western blot testing of Thy1 antibody and Lane 1: rat brain; 2: rat liver; 3: rat thymus tissue lysate. Predicted molecular weight 18~35kDa depending on glycosylation level.

Description

Cluster of Differentiation 90 or Thy1 is glycosphosphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. The gene is mapped to 11q23.3. Thy1 can be used as a marker for a variety of stem cells and for the axonal processes of mature neurons. Structural study of the protein lead to the foundation of the Immunoglobulin superfamily, of which it is the smallest member, and led to the first biochemical

description and characterization of a vertebrate GPI anchor.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Thy1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human CD90/Thy1 (QKVTSLTACLVDQSLRLDCR) was used as the immunogen for this Thy1 antibody.

Storage

After reconstitution, the Thy1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.