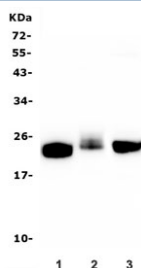


## CD90 Antibody (RQ5600)

Catalog No.	Formulation	Size
RQ5600	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P04216
<b>Applications</b>	Western Blot : 0.25-0.5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This CD90 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat thymus and 3) mouse brain lysate with CD90 antibody. Expected molecular weight 18~35 kDa depending on glycosylation level.

## Description

CD90 (Cluster of Differentiation 90) or Thy-1 is a heavily N-glycosylated, glycosphosphatidylinositol (GPI) anchored conserved cell surface protein with a single V-like immunoglobulin domain, originally discovered as a thymocyte antigen. The CD90 gene is mapped to 11q23.3. 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 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

Optimal dilution of the CD90 antibody should be determined by the researcher.

## Immunogen

A human recombinant protein (amino acids Q20-H111) was used as the immunogen for the CD90 antibody.

## Storage

After reconstitution, the CD90 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.