

## Basic Information

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|--------------------|--|
| Product Name       | Anti-CD90/THY1 Antibody  |
| Gene Name          | THY1   |
| Source             | Rabbit   |
| Isotype            | IgG  |
| Species Reactivity | human, mouse, rat  |
| Tested Application | WB, ELISA  |
| Contents           | 500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.    |
| Immunogen          | E.coli-derived human CD90/Thy1 recombinant protein (Position: Q20-H111). |
| concentration      | 500 ug/ml  |
| Purification       | Immunogen affinity purified.   |
| Observed MW        | 22-30KD  |
| Dilution Ratios    | Western blot(WB):1:500-2000<br>(ELISA): 1:100-1000                       |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

CD90 (Cluster of Differentiation 90) or Thy-1 is a 25-37 kDa 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.

## Selected Validation Data