

## Rat Thy-1 membrane glycoprotein (THY1) ELISA Kit

Catalog No: #EK11367



Package Size: #EK11367-1 48T #EK11367-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Rat Thy-1 membrane glycoprotein (THY1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	CD90; FLJ33325; Thy-1 T-cell antigen Thy-1 membrane glycoprotein
Accession No.	P01830
Uniprot	P01830
GeneID	24832;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:

0.156-10 ng/mL

Sensitivity:0.055 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate THY1 in samples. An antibody specific for THY1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTHY1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for THY1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of THY1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Thy-1 or CD90 (Cluster of Differentiation 90) is a 25 ndash 37 kDa heavily N-glycosylated, glycoposphatidylinositol (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 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.Thy-1 was discovered in early 1960s during the search for heterologous antisera against mouse leukemia cells. It was originally named theta, then Thy-1 (THYmocyte differentiation antigen 1) due to its prior identification in thymocytes.

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Note: This product is for in vitro research use only