

Human Thy1 Cell Surface Antigen (Thy1) ELISA Kit | Thy1 elisa kit

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CATALOG #
AAA20406

REACTIVITY
Human

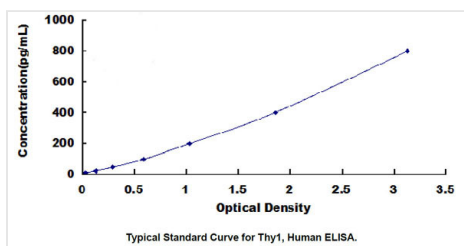
PRODUCT SYNONYMS

Thy1 Cell Surface Antigen (Thy1); Human Thy1 Cell Surface Antigen (Thy1) ELISA Kit; CD90; CDw90; THY mocyte differentiation antigen 1; Thy1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thy1. No significant cross-reactivity or interference between Thy1 and analogues was observed.
Sequence Length	161
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	12.5-800pg/mL
Sensitivity	< 5.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Thy1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Thy1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Thy1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Thy1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Thy1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Thy1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Thy1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Thy1 in human serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for Thy1 elisa kit	CD & Adhesion molecule; Tumor immunity; Hematology; Neuroscience
References	Evaluation of Soluble CD90: Potential for Diagnostic Significance in Endometriosis Patients; Dis Markers; 2022 Jun 20;2022:9345858.; PMID: 35769819; Ivan M Bochev; Department of Molecular Immunology, Institute of Biology and Immunology of Reproduction, Bulgarian Academy of Sciences, Sofia 1113, Bulgaria.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119587894
NCBI GeneID	7070
UniProt Accession #	P04216; Q16008; Q9NSP1
Molecular Weight	17,935 Da
NCBI Official Full Name	Thy-1 cell surface antigen, isoform CRA_a
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90; CDw90
NCBI Protein Information	thy-1 membrane glycoprotein
UniProt Protein Name	Thy-1 membrane glycoprotein
UniProt Gene Name	THY1
UniProt Entry Name	THY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.