

Human Thy 1 membrane glycoprotein (THY1) ELISA Kit | THY1 elisa kit

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CATALOG #
AAA244707

REACTIVITY
Human

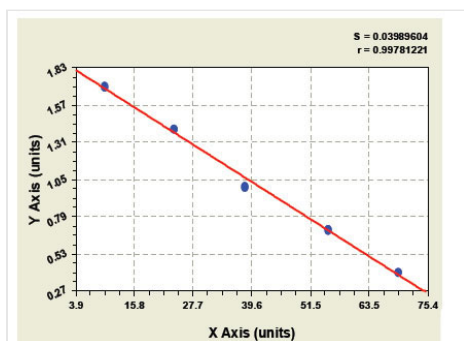
PRODUCT SYNONYMS

Thy 1 membrane glycoprotein (THY1); Human Thy 1 membrane glycoprotein (THY1) ELISA Kit; THY1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THY1 elisa kit

Intended Uses: This THY1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human THY1. This ELISA kit for research use only!

Principle of the Assay: THY1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-THY1 antibody and an THY1-HRP conjugate. The assay sample and buffer are incubated together with THY1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the THY1 concentration since THY1 from samples and THY1-HRP conjugate compete for the anti-THY1 antibody binding site. Since the number of sites is limited, as more sites are occupied by THY1 from the sample, fewer sites are left to bind THY1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The THY1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19923362
NCBI GeneID	7070
NCBI Accession #	NP_006279.2
NCBI GenBank Nucleotide #	NM_006288.3
Molecular Weight	17,935 Da
NCBI Official Full Name	thy-1 membrane glycoprotein preproprotein
NCBI Official Synonym Full Names	Thy-1 cell surface antigen
NCBI Official Symbol	THY1
NCBI Official Synonym Symbols	CD90
NCBI Protein Information	thy-1 membrane glycoprotein; CDw90; thy-1 antigen; Thy-1 T-cell antigen
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/thy-1-membrane-glycoprotein-thy1/244707>