

Human Tetraspanin 25 (TSPAN25) ELISA Kit | TSPAN25 elisa kit

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CATALOG #
AAA151257

REACTIVITY
Human

PRODUCT SYNONYMS

Tetraspanin 25 (TSPAN25); Human Tetraspanin 25 (TSPAN25) ELISA Kit; TSPAN25/Tetraspanin 25; CD53; MOX44; TSPAN25; Leukocyte surface antigen CD53; Cell surface glycoprotein CD53; TSPAN25 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TSPAN25. No significant cross-reactivity or interference between TSPAN25 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TSPAN25 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 TSPAN25 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for TSPAN25 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TSPAN25. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TSPAN25. 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 TSPAN25, 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 TSPAN25 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 TSPAN25 in Human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for TSPAN25 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Developmental science; Immunodeficiency

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834972
NCBI GeneID	963
NCBI Accession #	NP_000551.1
NCBI GenBank Nucleotide #	NM_000560.3
UniProt Accession #	P19397; Q5U0D6; B2R905
Molecular Weight	24,341 Da
NCBI Official Full Name	leukocyte surface antigen CD53
NCBI Official Synonym Full Names	CD53 molecule
NCBI Official Symbol	CD53
NCBI Official Synonym Symbols	MOX44; TSPAN25
NCBI Protein Information	leukocyte surface antigen CD53; CD53 antigen; CD53 glycoprotein; CD53 tetraspan antigen; antigen MOX44 identified by monoclonal antibody MRC-OX44; cell surface antigen; cell surface glycoprotein CD53; tetraspanin-25; transmembrane glycoprotein; tspan-25
UniProt Protein Name	Leukocyte surface antigen CD53
UniProt Gene Name	CD53
UniProt Synonym Gene Names	MOX44; TSPAN25; Tspan-25
UniProt Entry Name	CD53_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://www.aaabiotech.com/human-elisa-kits/tetraspanin-25-tspan25/151257>