

Human Tetraspanin-1 (TSPAN1) ELISA Kit | TSPAN1 elisa kit

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CATALOG #
AAA331973

REACTIVITY
Human

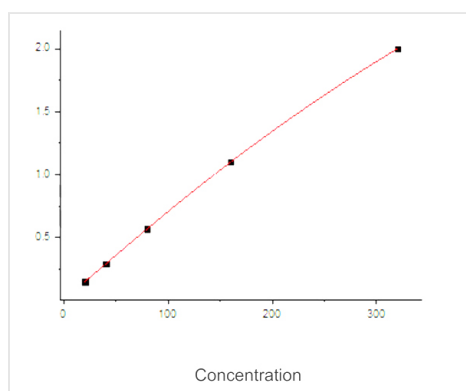
PRODUCT SYNONYMS

Tetraspanin-1 (TSPAN1); Human Tetraspanin-1 (TSPAN1) ELISA Kit; TSPAN1; NET1; TM4C; TM4SF; OTTHUMP00000008900; tetraspan 1; TSPAN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tetraspanin-1 (TSPAN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TSPAN1. No significant cross-reactivity or interference between Human TSPAN1 and analogues was observed.
Sequence Length	241
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	20 pg/ml - 320 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TSPAN1 elisa kit	Background: Tumor proliferation-related molecule TSPAN-1 (tetraspanin-1), also known as C4.8, P503s or NET-1, was first discovered by S.C. Todd et al in 1998 as a tetraspanin 4 superfamily (transmembrane 4 superfamily, New member of TM4SF). Studies have shown that TSPAN-1 is overexpressed in various tumor tissues (such as breast cancer, cervical cancer, colorectal cancer, esophageal cancer, liver cancer, lung cancer, ovarian cancer, pancreatic cancer, prostate cancer, gastric cancer, and nasopharyngeal cancer). Principle of the Assay: Human Tetraspanin-1 (TSPAN1) ELISA Kit employs a two-site sandwich ELISA to quantitate TSPAN1 in samples. An antibody specific for TSPAN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TSPAN1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human TSPAN1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TSPAN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21264578
NCBI GeneID	10103
NCBI Accession #	NP_005718
NCBI GenBank Nucleotide #	NP_005718.2
UniProt Accession #	O60635
NCBI Official Full Name	tetraspanin-1
NCBI Official Synonym Full Names	tetraspanin 1
NCBI Official Symbol	TSPAN1
NCBI Official Synonym Symbols	NET1; TM4C; TM4SF
NCBI Protein Information	tetraspanin-1
UniProt Protein Name	Tetraspanin-1
UniProt Gene Name	TSPAN1
UniProt Synonym Gene Names	Tspan-1
UniProt Entry Name	TSN1_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.