

Human Peroxisome biogenesis factor 1 (PEX1) ELISA Kit | PEX1 elisa kit

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CATALOG #
AAA190410

REACTIVITY
Human

PRODUCT SYNONYMS

Peroxisome biogenesis factor 1 (PEX1); Human Peroxisome biogenesis factor 1 (PEX1) ELISA Kit; tcag7.1018; ZWS1; peroxin1|peroxisome biogenesis disorder protein 1; PEX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PEX1. No significant cross-reactivity or interference between Human PEX1 and analogues was observed.
Assay Type	Quantitive Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.31-20ng/mL
Sensitivity	0.1ng/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate PEX1 in samples. An antibody specific for PEX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PEX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PEX1 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 PEX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505725
NCBI GeneID	5189
NCBI Accession #	NP_000457.1
NCBI GenBank Nucleotide #	NM_000466.2

UniProt Accession #	O43933 ; Q96S71 ; Q96S72 ; Q96S73 ; Q99994 ; A4D1G3 ; A8KA90
Molecular Weight	142,867 Da
NCBI Official Full Name	peroxisome biogenesis factor 1 isoform 1
NCBI Official Synonym Full Names	peroxisomal biogenesis factor 1
NCBI Official Symbol	PEX1
NCBI Official Synonym Symbols	ZWS; ZWS1; PBD1A; PBD1B
NCBI Protein Information	peroxisome biogenesis factor 1; peroxin-1; Zellweger syndrome; peroxisome biogenesis disorder protein 1
UniProt Protein Name	Peroxisome biogenesis factor 1
UniProt Gene Name	PEX1
UniProt Entry Name	PEX1_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/peroxisome-biogenesis-factor-1-pex1/190410>