

Human Utrophin (UTRN) ELISA Kit | UTRN elisa kit

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CATALOG #
AAA23060

REACTIVITY
Human

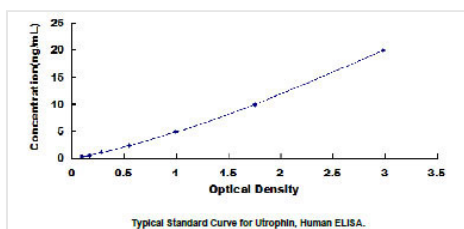
PRODUCT SYNONYMS

Utrophin (UTRN); Human Utrophin (UTRN) ELISA Kit; DRP1; DMDL; DRP; Homologous To Dystrophin; Dystrophin-related protein 1; UTRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of utrophin. No significant cross-reactivity or interference between utrophin and analogues was observed.
Sequence Length	3433
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.112ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level utrophin 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 utrophin 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 UTRN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of utrophin in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to utrophin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to utrophin. 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 utrophin, 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 utrophin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110611228
NCBI GeneID	7402
NCBI Accession #	NP_009055.2
NCBI GenBank Nucleotide #	NM_007124.2
UniProt Accession #	P46939; Q5SYY1; Q5SZ57; Q9UJ40
Molecular Weight	155,026 Da
NCBI Official Full Name	utrophin
NCBI Official Synonym Full Names	utrophin
NCBI Official Symbol	UTRN
NCBI Official Synonym Symbols	DRP; DMDL; DRP1
NCBI Protein Information	utrophin
UniProt Protein Name	Utrophin
UniProt Gene Name	UTRN
UniProt Synonym Gene Names	DMDL; DRP1; DRP-1

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/utrophin-utrn/23060>