

Human Ryanodine receptor 1 ELISA Kit | RYR1 elisa kit

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CATALOG #
AAA17501

REACTIVITY
Human

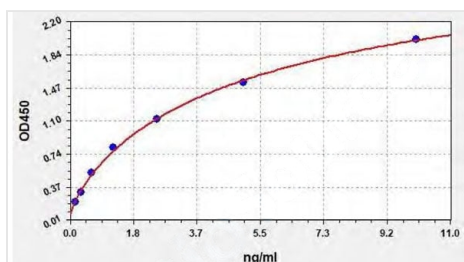
PRODUCT SYNONYMS

Ryanodine receptor 1; Human Ryanodine receptor 1 ELISA Kit; RYR1/Ryanodine receptor 1/RYR-1/RyR1/Type 1 ryanodine receptor/Skeletal muscle-type ryanodine receptor/Skeletal muscle calcium release channel; RYR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RYR1. No significant cross-reactivity or interference between RYR1 and analogues was observed.
Sequence Length	5037
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RYR1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156119408
NCBI GeneID	100009540
NCBI Accession #	NP_001095188.1
NCBI GenBank Nucleotide #	NM_001101718.1
Molecular Weight	565,253 Da
NCBI Official Full Name	ryanodine receptor 1
NCBI Official Symbol	RYR1
NCBI Official Synonym Symbols	RYR-1
NCBI Protein Information	ryanodine receptor 1
UniProt Protein Name	Ryanodine receptor 1
UniProt Gene Name	RYR1
UniProt Synonym Gene Names	RYR-1; RyR1
UniProt Entry Name	RYR1_RABIT

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/ryr1-human-elisa-kits/ryanodine-receptor-1/17501>