

Human Ryanodine receptor 2 ELISA Kit | RYR2 elisa kit

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CATALOG #
AAA98455

REACTIVITY
Human

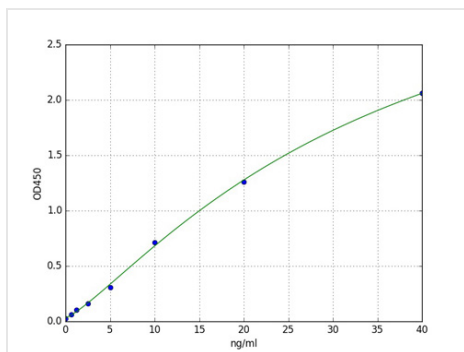
PRODUCT SYNONYMS

Ryanodine receptor 2; Human Ryanodine receptor 2 ELISA Kit; RYR2 (Ryanodine receptor 2)/RYR-2/RyR2/hRYR-2/Cardiac muscle ryanodine receptor/Cardiac muscle ryanodine receptor-calcium release channel/Type 2 ryanodine receptor; RYR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	4967
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
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)

Results of a typical standard run of a Human RYR2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment (N/A=not applicable)

X	ng/ml	0	0.625	1.25	2.5	5	10	20	40
Y	OD450	0.058	0.123	0.162	0.276	0.485	0.818	1.477	2.255

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RYR2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human RYR2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human RYR2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin 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 Human RYR2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human RYR2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112799847
NCBI GeneID	6262
NCBI Accession #	NP_001026.2
NCBI GenBank Nucleotide #	NM_001035.2
Molecular Weight	565,411 Da
NCBI Official Full Name	ryanodine receptor 2
NCBI Official Synonym Full Names	ryanodine receptor 2
NCBI Official Symbol	RYR2
NCBI Official Synonym Symbols	RyR; ARVC2; ARVD2; RYR-2; VTSIP
NCBI Protein Information	ryanodine receptor 2
UniProt Protein Name	Ryanodine receptor 2
UniProt Gene Name	RYR2
UniProt Synonym Gene Names	RYR-2; RyR2; hRYR-2
UniProt Entry Name	RYR2_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://stage.aaabiotech.com/ryr2-human-elisa-kits/ryanodine-receptor-2/98455>