

Rat Free Fatty Acid Receptor 2 (FFAR2) ELISA Kit | FFAR2 elisa kit

Rat Free Fatty Acid Receptor 2 (FFAR2) Mini Samples ELISA Kit

CATALOG # AAA188752	REACTIVITY Rat	APPLICATIONS ELISA
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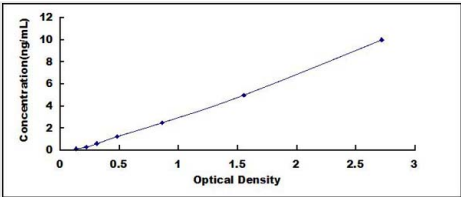
PRODUCT SYNONYMS

Free Fatty Acid Receptor 2 (FFAR2); Rat Free Fatty Acid Receptor 2 (FFAR2) Mini Samples ELISA Kit; Free Fatty Acid Receptor 2; FFA2R; GPR43; FFA2; GPCR43; G-protein coupled receptor 43; FFAR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Free Fatty Acid Receptor 2 (FFAR2). No significant cross-reactivity or interference between Mini Samples Free Fatty Acid Receptor 2 (FFAR2) and analogues was observed.
Sequence Length	330
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.055ng/mL
Applicable Applications for FFAR2 elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mini Samples Free Fatty Acid Receptor 2 (FFAR2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mini Samples Free Fatty Acid Receptor 2 (FFAR2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Free Fatty Acid Receptor 2 (FFAR2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Free Fatty Acid Receptor 2 (FFAR2). 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 Mini Samples Free Fatty Acid Receptor 2 (FFAR2), 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 Mini Samples Free Fatty Acid Receptor 2 (FFAR2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1625648991
NCBI GenBank Nucleotide #	NP_001357016.1
NCBI Official Full Name	free fatty acid receptor 2

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/rat-elisa-kits/free-fatty-acid-receptor-2-ffar2/188752>