

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

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CATALOG #
AAA135783

REACTIVITY
Mouse

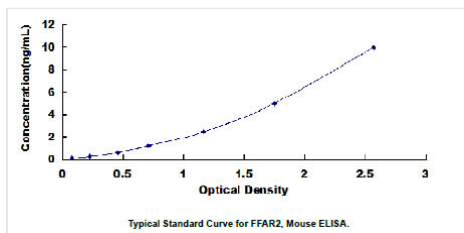
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FFAR2. No significant cross-reactivity or interference between 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	0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FFAR2 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 FFAR2 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 FFAR2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FFAR2 in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FFAR2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 FFAR2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FFAR2 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885333
NCBI GeneID	2867
NCBI Accession #	NP_005297.1
NCBI GenBank Nucleotide #	NM_005306.2
UniProt Accession #	O15552; Q4VAZ3; Q4VAZ5; Q4VBL5; B0M0J9
Molecular Weight	37,144 Da
NCBI Official Full Name	free fatty acid receptor 2
NCBI Official Synonym Full Names	free fatty acid receptor 2
NCBI Official Symbol	FFAR2
NCBI Official Synonym Symbols	FFA2R; GPR43
NCBI Protein Information	free fatty acid receptor 2
UniProt Protein Name	Free fatty acid receptor 2
UniProt Gene Name	FFAR2
UniProt Synonym Gene Names	FFA2; GPCR43; GPR43
UniProt Entry Name	FFAR2_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.