

Mouse Free Fatty Acid Receptor 3 (FFAR3) ELISA Kit | FFAR3 elisa kit

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CATALOG #
AAA183155

REACTIVITY
Mouse

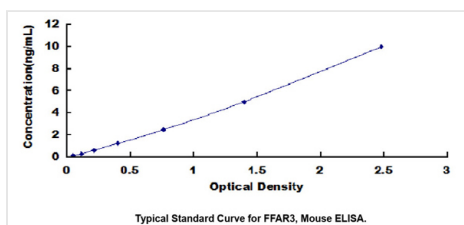
PRODUCT SYNONYMS

Free Fatty Acid Receptor 3 (FFAR3); Mouse Free Fatty Acid Receptor 3 (FFAR3) ELISA Kit; FFA3R; GPR41; G Protein-Coupled Receptor 41; FFAR3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FFAR3. No significant cross-reactivity or interference between FFAR3 and analogues was observed.
Sequence Length	346
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FFAR3 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 FFAR3 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 FFAR3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FFAR3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to FFAR3. 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 FFAR3, 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 FFAR3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FFAR3 in mouse tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885329
NCBI GeneID	2865
NCBI Accession #	NP_005295.1
NCBI GenBank Nucleotide #	NM_005304.4
UniProt Accession #	O14843; Q14CM7; B2RWM8
Molecular Weight	38,649 Da
NCBI Official Full Name	free fatty acid receptor 3
NCBI Official Synonym Full Names	free fatty acid receptor 3
NCBI Official Symbol	FFAR3
NCBI Official Synonym Symbols	FFA3R; GPR41; GPR42
NCBI Protein Information	free fatty acid receptor 3
UniProt Protein Name	Free fatty acid receptor 3
UniProt Gene Name	FFAR3
UniProt Synonym Gene Names	GPR41

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/mouse-elisa-kits/free-fatty-acid-receptor-3-ffar3/183155>