

Human Free Fatty Acid Receptor 4 (FFAR4) ELISA Kit | FFAR4 elisa kit

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CATALOG #
AAA187147

REACTIVITY
Human

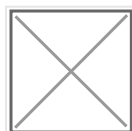
PRODUCT SYNONYMS

Free Fatty Acid Receptor 4 (FFAR4); Human Free Fatty Acid Receptor 4 (FFAR4) ELISA Kit; GPR129; GT01; PGR4; GPR120; O3FAR1; G Protein Coupled Receptor 120; Omega-3 fatty acid receptor 1; FFAR4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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	361
Samples	Rat Tissue Homogenates, Cell Lysates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/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 FFAR4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FFAR3 in rat 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32165518
NCBI GeneID	338557
UniProt Accession #	Q5NUL3; Q495H1; Q5VY25; Q5VY26; Q7Z605; Q86SM7
Molecular Weight	40,494 Da
NCBI Official Full Name	G protein-coupled receptor 120
NCBI Official Synonym Full Names	free fatty acid receptor 4
NCBI Official Symbol	FFAR4
NCBI Official Synonym Symbols	GT01; PGR4; BMIQ10; GPR120; GPR129; O3FAR1
NCBI Protein Information	free fatty acid receptor 4
UniProt Protein Name	Free fatty acid receptor 4
UniProt Gene Name	FFAR4
UniProt Synonym Gene Names	GPR120; GPR129; O3FAR1; PGR4

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/human-elisa-kits/free-fatty-acid-receptor-4-ffar4/187147>