

Mouse 12-Hydroxyeicosatetraenoic Acid (12-HETE) ELISA Kit | 12-HETE elisa kit

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CATALOG #
AAA12844

REACTIVITY
Mouse

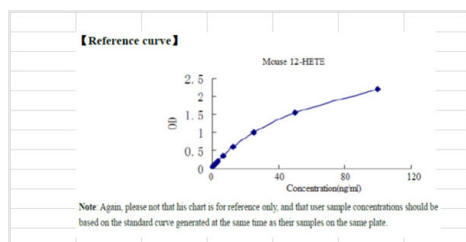
PRODUCT SYNONYMS

12-Hydroxyeicosatetraenoic Acid (12-HETE); Mouse 12-Hydroxyeicosatetraenoic Acid (12-HETE) ELISA Kit; 12-HETE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	No cross-reaction with other factors.
Sequence Length	319
Assay Type	Sandwich
Detection Range	100 ng/mL-1.56 ng/mL
Sensitivity	Up to 0.5 ng/mL
Intra-assay Precision	<= 8%
Inter-assay Precision	<= 12%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 12-HETE elisa kit

Principle of the Assay: As mentioned above, this kit utilizes the Double Antibody Sandwich ELISA technique. The pre-coated antibody is an anti-Mouse 12-HETE monoclonal antibody, while the detection antibody is a biotinylated polyclonal antibody. Samples and biotinylated antibodies are added into ELISA plate wells and washed out with PBS or TBS after their respective additions to the wells. Then Avidin-peroxidase conjugates are added to the wells in after. TMB substrate is used for coloration after the enzyme conjugate has already been thoroughly washed out of the wells by PBS or TBS. TMB reacts to form a blue product from the peroxidase activity, and finally turns to yellow after addition of the stop solution (Color Reagent C). The color intensity and quantity of target analyte in the sample are positively correlated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

153792268

NCBI GeneID	2853
NCBI Accession #	NP_005290.2
NCBI GenBank Nucleotide #	NM_005299.2
Molecular Weight	35,075 Da
NCBI Official Full Name	12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid receptor
NCBI Official Synonym Full Names	G protein-coupled receptor 31
NCBI Official Symbol	GPR31
NCBI Official Synonym Symbols	HETER; HETER1; 12-HETER
NCBI Protein Information	12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid receptor; 12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid receptor; 12-(S)-HETE receptor; 12-(S)-HETE acid receptor; G-protein coupled receptor 31; probable G-protein coupled receptor 31; bA517H2.2 (G protein-coupled receptor 31); hydroxyeicosatetraenoic (HETE) acid receptor 1; 12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid (HETE) receptor
UniProt Protein Name	12-(S)-hydroxy-5,8,10,14-eicosatetraenoic acid receptor
UniProt Gene Name	GPR31
UniProt Synonym Gene Names	12-(S)-HETE receptor; 12-HETER
UniProt Entry Name	GPR31_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/mouse-elisa-kits/12-hydroxyeicosatetraenoic-acid-12-hete/12844>