

Mouse Histamine Receptor H4 (HRH4) ELISA Kit | HRH4 elisa kit

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CATALOG #
AAA186991

REACTIVITY
Mouse

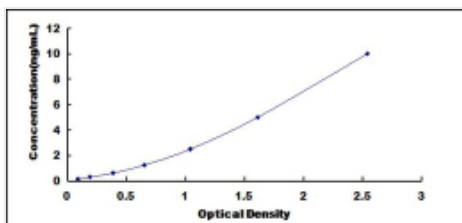
PRODUCT SYNONYMS

Histamine Receptor H4 (HRH4); Mouse Histamine Receptor H4 (HRH4) ELISA Kit; GPCR105; GPRv53; H4R; HH4R; H4; AXOR35; BG26; G-protein coupled receptor 105; HRH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Histamine Receptor H4 (HRH4). No significant cross-reactivity or interference between Histamine Receptor H4 (HRH4) and analogues was observed.
Sequence Length	302
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.051ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Histamine Receptor H4 (HRH4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Histamine Receptor H4 (HRH4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 HRH4 elisa kit	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 Histamine Receptor H4 (HRH4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Histamine Receptor H4 (HRH4). 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 Histamine Receptor H4 (HRH4), 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 Histamine Receptor H4 (HRH4) 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 #	219842331
NCBI GeneID	59340
NCBI Accession #	NP_001137300.1
NCBI GenBank Nucleotide #	NM_001143828.1
UniProt Accession #	Q9H3N8; Q4G0I6; Q9GZQ0; B0YJ19; B2KJ48
Molecular Weight	34,497 Da
NCBI Official Full Name	histamine H4 receptor isoform 2
NCBI Official Synonym Full Names	histamine receptor H4
NCBI Official Symbol	HRH4
NCBI Official Synonym Symbols	H4; H4R; BG26; HH4R; AXOR35; GPRv53; GPCR105
NCBI Protein Information	histamine H4 receptor
UniProt Protein Name	Histamine H4 receptor
UniProt Gene Name	HRH4
UniProt Synonym Gene Names	GPCR105; H4R; HH4R

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/histamine-receptor-h4-hrh4/186991>