

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

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CATALOG #
AAA63967

REACTIVITY
Mouse

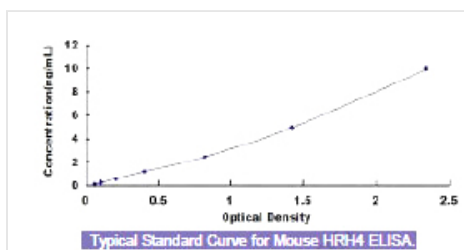
PRODUCT SYNONYMS

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 HRH4. No significant cross-reactivity or interference between HRH4 and analogues was observed.
Sequence Length	391
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HRH4 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 HRH4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HRH4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HRH4 in mouse tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HRH4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	23346507
NCBI GeneID	225192
NCBI Accession #	NP_694727.1
NCBI GenBank Nucleotide #	NM_153087.2
UniProt Accession #	Q91ZY2
Molecular Weight	44,249 Da
NCBI Official Full Name	histamine H4 receptor
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	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.