

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

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CATALOG #
AAA151142

REACTIVITY
Human

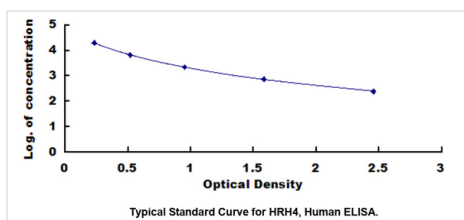
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	246.9-20,000pg/mL
Sensitivity	< 85.2pg/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	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	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HRH4 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HRH4 and unlabeled HRH4 (Standards or samples) with the pre-coated antibody specific to HRH4. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of HRH4 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HRH4 in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HRH4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for HRH4 elisa kit	CD & Adhesion molecule

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
UniProt Entry Name	HRH4_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.