

Mouse Gonadotropin Releasing Hormone (GnRH) CLIA Kit | GnRH clia kit

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CATALOG # AAA188434	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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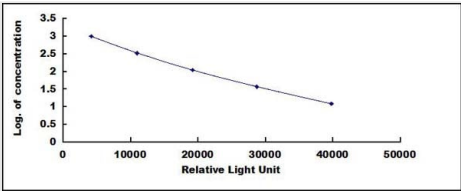
PRODUCT SYNONYMS

Gonadotropin Releasing Hormone (GnRH); Mouse Gonadotropin Releasing Hormone (GnRH) CLIA Kit; Gonadotropin Releasing Hormone; GNRH1; GRH; LNRH; LHRH; LH-RH I; Luliberin; Luteinizing-Hormone Releasing Hormone; Progonadoliberin-1; Gonadoliberin I; Gonadorelin; GnRH-associated peptide 1; GnRH clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Gonadotropin Releasing Hormone (GnRH). No significant cross-reactivity or interference between Gonadotropin Releasing Hormone (GnRH) and analogues was observed.
Sequence Length	140
Assay Type	Competitive Inhibition
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.6-1,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.7pg/mL
Applicable Applications for GnRH clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Gonadotropin Releasing Hormone (GnRH) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Gonadotropin Releasing Hormone (GnRH) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Gonadotropin Releasing Hormone (GnRH). A competitive inhibition reaction is launched between biotin labeled Gonadotropin Releasing Hormone (GnRH) and unlabeled Gonadotropin Releasing Hormone (GnRH) (Standards or samples) with the pre-coated antibody specific to Gonadotropin Releasing Hormone (GnRH). 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 Gonadotropin Releasing Hormone (GnRH) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Gonadotropin Releasing Hormone (GnRH) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	59894790
NCBI GeneID	17242
NCBI Accession #	NP_001012335.1
NCBI GenBank Nucleotide #	NP_001012335.1
UniProt Accession #	P12025
NCBI Official Full Name	midkine isoform a
NCBI Official Synonym Full Names	midkine
NCBI Official Symbol	Mdk
NCBI Official Synonym Symbols	MK; Mek
NCBI Protein Information	midkine
UniProt Protein Name	Midkine
UniProt Gene Name	Mdk
UniProt Synonym Gene Names	Mk; MK
UniProt Entry Name	MK_MOUSE

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-clia-kits/gonadotropin-releasing-hormone-gnrh/188434>