

Mouse Corticotropin Releasing Hormone (CRH) ELISA Kit | CRH elisa kit

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CATALOG # AAA68114	REACTIVITY Mouse
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PRODUCT SYNONYMS

Corticotropin Releasing Hormone (CRH); Mouse Corticotropin Releasing Hormone (CRH) ELISA Kit; CRH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CRH. No significant cross-reactivity or interference between CRH and analogues was observed.
Sequence Length	187
Assay Type	Quantitative Competitive
Samples	Mouse serum, plasma or other biological fluids
Detection Range	15.6-1000pg/mL
Sensitivity	< 4.45pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRH 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 CRH 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.

ADDITIONAL INFORMATION

Related Product Information for CRH elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to CRH has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled CRH and unlabeled CRH (Standards or samples) with the pre-coated antibody specific to CRH. 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 CRH in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of CRH in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of CRH in mouse serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45429990
NCBI GeneID	12918
NCBI Accession #	NP_991338.1
NCBI GenBank Nucleotide #	NM_205769.3

UniProt Accession #	Q8CIT0; Q14AA2
Molecular Weight	20,778 Da
NCBI Official Full Name	corticoliberin preproprotein
NCBI Official Synonym Full Names	corticotropin releasing hormone
NCBI Official Symbol	Crh
NCBI Official Synonym Symbols	CRF; Gm1347
NCBI Protein Information	corticoliberin
UniProt Protein Name	Corticoliberin
UniProt Gene Name	Crh
UniProt Synonym Gene Names	Gm1347; CRF

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/corticotropin-releasing-hormone-crh/68114>