

Rat Hemojuvelin (HJV) ELISA Kit | HJV elisa kit

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CATALOG #
AAA65775

REACTIVITY
Rat

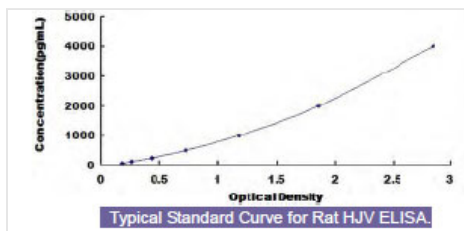
PRODUCT SYNONYMS

Hemojuvelin (HJV); Rat Hemojuvelin (HJV) ELISA Kit; HFE2; HFE2A; HJV; JH; RGMC; hemochromatosis type 2(Juvenile); Haemojuvelin; RGM domain family member C; HJV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HJV. No significant cross-reactivity or interference between HJV and analogues was observed.
Sequence Length	422
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	23.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HJV 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 HJV 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 HJV elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HJV in rat serum, plasma, 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 HJV. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HJV. 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 HJV, 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 HJV 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 #	58865730
NCBI GeneID	310681
NCBI Accession #	NP_001012080.1
NCBI GenBank Nucleotide #	NM_001012080.1
UniProt Accession #	Q5FWU4; Q8N7M5
Molecular Weight	45,142 Da
NCBI Official Full Name	hemojuvelin
NCBI Official Synonym Full Names	hemochromatosis type 2 (juvenile)
NCBI Official Symbol	Hfe2
NCBI Official Synonym Symbols	Rgmc
NCBI Protein Information	hemojuvelin
UniProt Protein Name	Hemochromatosis type 2 (Juvenile) (Human homolog)
UniProt Gene Name	Hfe2

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/rat-elisa-kits/hemojuvelin-hjv/65775>