

Human Hemojuvelin (HJV) ELISA Kit | HJV elisa kit

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CATALOG #
AAA182315

REACTIVITY
Human

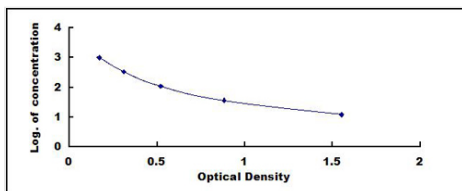
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Hemojuvelin (HJV). No significant cross-reactivity or interference between Hemojuvelin (HJV) and analogues was observed.
Sequence Length	420
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	12.35-1000ng/mL
Sensitivity	< 4.93ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hemojuvelin (HJV) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hemojuvelin (HJV) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 HJV elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Hemojuvelin (HJV) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Hemojuvelin (HJV) and unlabeled Hemojuvelin (HJV) (Standards or samples) with the pre-coated antibody specific to Hemojuvelin (HJV). 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 Hemojuvelin (HJV) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Hemojuvelin (HJV) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166295198
NCBI GeneID	69585
NCBI Accession #	NP_081402.3
NCBI GenBank Nucleotide #	NM_027126.4
UniProt Accession #	Q7TQ32; Q8CEU7; Q8K1D4; Q9D741
Molecular Weight	21,648 Da
NCBI Official Full Name	hemojuvelin
NCBI Official Synonym Full Names	hemochromatosis type 2 (juvenile)
NCBI Official Symbol	Hfe2
NCBI Official Synonym Symbols	HJV; DL-M; Rgmc; AI414844; AI789733; hemojuvelin; 2310035L15Rik; 5230400G09Rik
NCBI Protein Information	hemojuvelin
UniProt Protein Name	Hemojuvelin
UniProt Gene Name	Hfe2
UniProt Synonym Gene Names	Rgmc

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.