

Human Hemojuvelin (HJV) ELISA Kit | HJV elisa kit

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CATALOG #
AAA138498

REACTIVITY
Human

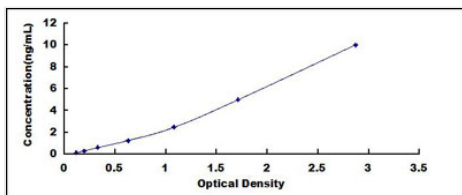
PRODUCT SYNONYMS

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	201
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	12.7pg/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	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hemojuvelin (HJV). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hemojuvelin (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 Hemojuvelin (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 Hemojuvelin (HJV) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HJV elisa kit	Metabolic pathway; Infection immunity; Hematology; Nutrition metabolism; Hormone metabolism

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) (human homolog)
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
UniProt Entry Name	RGMC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/hemojuvelin-hjv/138498>