

## Hemojuvelin ELISA Kit | HFE2 elisa kit

Mouse Hemojuvelin PicoKine ELISA Kit

CATALOG #  
**AAA46107**

REACTIVITY  
**Mouse. There is no detectable cross-reactivity with other relevant proteins.**

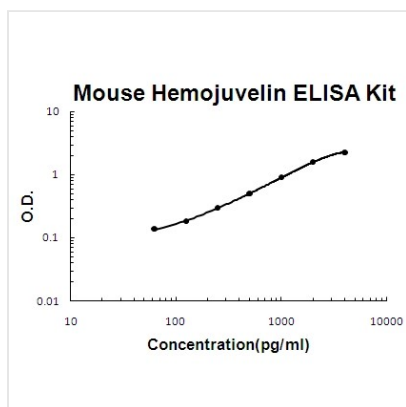
### PRODUCT SYNONYMS

Hemojuvelin; Mouse Hemojuvelin PicoKine ELISA Kit; 2310035L15Rik; 5230400G09Rik; AI414844; AI789733; DL M; Haemojuvelin; HEMOCHROMATOSIS; HEMOCHROMATOSIS DUE TO DEFECT IN HEMOJUVELIN; HEMOCHROMATOSIS DUE TO DEFECT IN HEPCIDIN ANTIMICROBIAL PEPTIDE; HEMOCHROMATOSIS JUVENILE; Hemochromatosis type 2 (juvenile); Hemochromatosis type 2; Hemochromatosis type 2 protein; Hemochromatosis type 2 protein homolog; TYPE 2A; TYPE 2B; HFE 2; Hfe2; HFE2A; HJV; JH; Juvenile; MGC23953; OTTHUMP00000059680; Repulsive guidance molecule c; RGM C; RGM domain family member C; RGM C ; hemochromatosis type 2 (juvenile); HFE2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse. There is no detectable cross-reactivity with other relevant proteins.                                                                                                                                               |
| Sequence Length         | 420                                                                                                                                                                                                                        |
| Samples                 | Cell culture supernates, serum and plasma (heparin, EDTA)                                                                                                                                                                  |
| Assay Type              | Sandwich                                                                                                                                                                                                                   |
| Sensitivity             | <10pg/ml                                                                                                                                                                                                                   |
| Immunogen               | NSO, Q33-D393                                                                                                                                                                                                              |
| Intra-Assay Precision   | Sample 1: n=16; Mean(ng/ml): 1.43; Standard deviation: 0.073; CV(%): 5.1 Sample 2: n=16; Mean(ng/ml): 3.06; Standard deviation: 0.113; CV(%): 3.7 Sample 3: n=16; Mean(ng/ml): 5.72; Standard deviation: 0.223; CV(%): 3.9 |
| Inter-Assay Precision   | Sample 1: n=24; Mean(ng/ml): 1.46; Standard deviation: 0.11; CV(%): 7.5 Sample 2: n=24; Mean(ng/ml): 3.24; Standard deviation: 0.237; CV(%): 7.3 Sample 3: n=24; Mean(ng/ml): 5.91; Standard deviation: 0.402; CV(%): 6.8  |
| Assay Range             | 156pg/ml-10,000pg/ml                                                                                                                                                                                                       |
| Preparation and Storage | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                                                                                                 |

### IMAGES



Standard Curve (Sample)

Mouse Hemojuvelin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Related Product Information for HFE2 elisa kit | <p><b>Description:</b> Sandwich ELISA kit of Quantitative Detection for Mouse Hemojuvelin</p> <p><b>Background:</b> Hemojuvelin (HJV/RGMC/HFE2) is a membrane-bound and soluble protein in mammals. It is a member of a three gene family (in vertebrates) called the repulsive guidance molecules. In mouse, the Hemojuvelin protein is encoded by the HFE2 gene, and it is mapped to Chromosome 3. It was concluded that downregulation of hepatic Hemojuvelin during inflammation may induce a temporary elimination of iron sensing. Hemojuvelin is a coreceptor for bone morphogenetic proteins (BMPs), and inhibition of endogenous BMP signaling reduces hepcidin expression and increases serum iron in mice. Furthermore, Hemojuvelin may play inhibitory roles in prostate cancer by suppressing cell growth, adhesion, migration and invasion.</p> |
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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) (human homolog)                                                              |
| NCBI Official Symbol             | Hfe2                                                                                                           |
| NCBI Official Synonym Symbols    | HJV; DL-M; Rgmc; AI414844; AI789733; hemojuvelin; 2310035L15Rik; 5230400G09Rik                                 |
| NCBI Protein Information         | hemojuvelin; RGM domain family member C; repulsive guidance molecule C; hemochromatosis type 2 protein homolog |
| UniProt Protein Name             | Hemojuvelin                                                                                                    |
| UniProt Gene Name                | <b>Hfe2</b>                                                                                                    |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/hfe2-mouse-elisa-kits/hemojuvelin/46107>