# Mouse Hemojuvelin,RGM-C ELISA Kit

Catalog No: #EK5633

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## Description

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| Product Name | Mouse Hemojuvelin,RGM-C ELISA Kit |
| Specificity | Mouse |
| Crossing Reactivity | There is no detectable cross-reactivity with other relevant proteins. |
| Immunogen Type | NSO,Q33-D393 |
| Other Names | Hemojuvelin; Hemochromatosis type 2 protein homolog; RGM domain family member C; Hfe2; Rgmc; |
| Accession No. | Q7TQ32 |
| Uniprot | Q7TQ32 |
| GeneID | 69585; |
| Cell Localization | Cell membrane; Also released in the extracellularspace.. |

## Application Details

sensitivity:10pg mlDetect Range:62.5pg ml-4000pg mlsample_type:cell culture supernates  cell lysates  tissue homogenates  serum and plasma (heparin EDTA).capture_antibody:monoclonal antibody from ratdetection_antibody:polyclonal antibody from goatgene_name:HFE2protein_name:Hemojuvelingene_full_name:Hemojuvelintissue_specificity: Muscle cell lineage..sequence_similarities:tmb_incubation:25-30minresearch_category:HFE2

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse Hemojuvelin

## Background

protein_function: Acts as a bone morphogenetic protein (BMP) coreceptor.Through enhancement of BMP signaling regulates hepcidin (HAMP)expression and regulates iron homeostasis..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.

Note: This product is for in vitro research use only