antibodies - online.com







HFE2 ELISA Kit



\sim			
	N/P	r\/	i⊢₩

Quantity:	1 kit
Target:	HFE2
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: DL M,HEMOCHROMATOSIS, HEMOCHROMATOSIS DUE TO DEFECT IN
	HEMOJUVELIN, HEMOCHROMATOSIS DUE TO DEFECT IN HEPCIDIN ANTIMICROBIAL
	PEPTIDE, HEMOCHROMATOSIS JUVENILE, Hemochromatosis type 2, Hemochromatosis type
	2 protein, Hemochromatosis type 2 protein homolog, HEMOCHROMATOSIS TYPE 2A,
	HEMOCHROMATOSIS TYPE 2B, HFE2A, HJV, JH, Juvenile, Repulsive guidance molecule c,
	RGM C, RGM domain family member C, RGMC
	Background: 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.

Gene Name: HFE2

Production: Natural and recombinant mouse Hemojuvelin. There is no detectable crossreactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q33-D393

Target Details

Target:	HFE2	
Alternative Name:	Hemojuvelin (HFE2 Products)	
Gene ID:	69585	
NCBI Accession:	NP_081402	
UniProt:	Q7TQ32	
Pathways:	Transition Metal Ion Homeostasis	

Application Details

ADDIICALIOH NOLES.	daA	lication	Notes:
--------------------	-----	----------	--------

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Hemojuvelin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Hemojuvelin standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.