
Product Name: HFE Mouse Monoclonal Antibody**Catalog #: AMM81041**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	40kDa

Antigen Information

Gene Name	HFE
Alternative Names	HH; HFE1; HLA-H; MVCD7; TFQTL2; MGC103790; dJ221C16.10.1
Gene ID	3077.0
SwissProt ID	Q30201
Immunogen	Purified recombinant fragment of human HFE expressed in E. Coli.

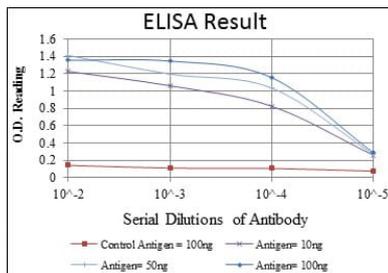
Background

The protein encoded by this gene is a membrane protein that is similar to MHC class I-type proteins and associates with beta2-microglobulin (beta2M). It is thought that this protein functions to regulate iron absorption by regulating the interaction of the transferrin receptor with transferrin. The iron storage disorder, hereditary haemochromatosis, is a recessive genetic disorder

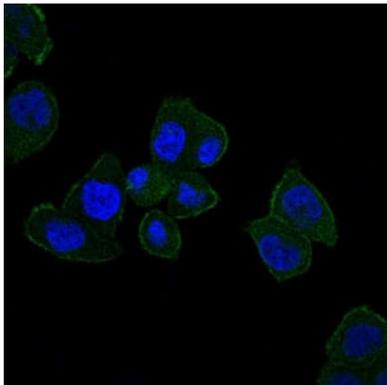
that results from defects in this gene. At least nine alternatively spliced variants have been described for this gene. Additional variants have been found but their full-length nature has not been determined.

Research Area

Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunofluorescence analysis of HepG2 cells using HFE mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.