

HFE Monoclonal Antibody (3F1)

Catalog NumberMA5-15907

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	1:10,000
Type	Antibody	Western Blot (WB)	1:500-1:2,000
Clone	3F1	Immunocytochemistry (ICC/IF)	1:200-1:1,000
Immunogen	Purified recombinant fragment of human HFE expressed in E. Coli.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Conc. Not Determined		
Storage buffer	ascites		
Contains	0.03% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

MA5-15907 targets HFE in indirect ELISA, IF and WB applications and shows reactivity with Human samples. The MA5-15907 immunogen is purified recombinant fragment of human HFE expressed in E. Coli. . MA5-15907 detects HFE which has a predicted molecular weight of approximately 40kDa.

Background/Target Information

The protein encoded by this gene is a membrane protein that is similar to MHC class I-type proteins and associates with beta2-microglobulin. 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.

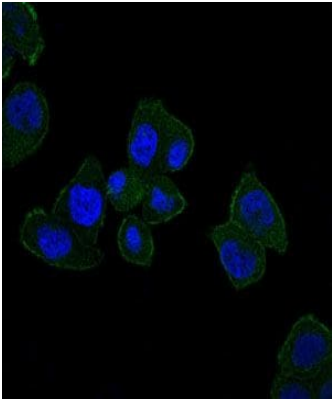
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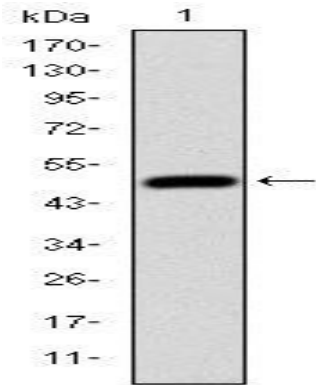
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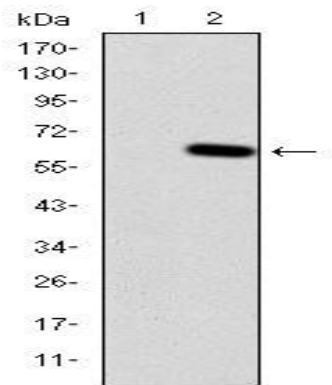
Product Images For HFE Monoclonal Antibody (3F1)



HFE Antibody (MA5-15907) in ICC/IF
Immunofluorescence analysis of HepG2 cells using HFE monoclonal antibody (Product # MA5-15907) (Green). Blue: DRAQ5 fluorescent DNA dye.



HFE Antibody (MA5-15907) in WB
Western blot analysis of HFE using a HFE monoclonal antibody (Product # MA5-15907) against a human HFE (AA: 125-282) recombinant protein.



HFE Antibody (MA5-15907) in WB
Western blot analysis of HFE using HFE monoclonal antibody (Product # MA5-15907) in HEK293 (1) and HFE (AA: 125-282) human IgG Fc transfected HEK293 (2) cell lysate.

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