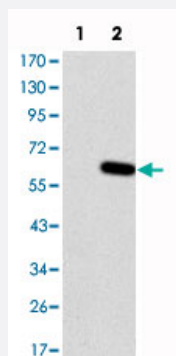


HFE monoclonal antibody, clone 3F1

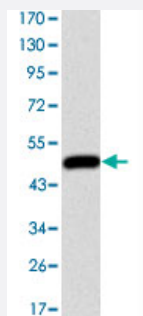
Catalog # MAB10680 Size 100 uL

Applications



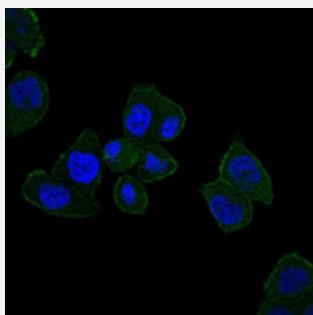
Western Blot (Transfected lysate)

Western blot analysis using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) against HEK293 (1) and HFE-hlgGFc transfected HEK293 (2) cell lysate.



Western Blot (Recombinant protein)

Western blot analysis using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) against recombinant protein.

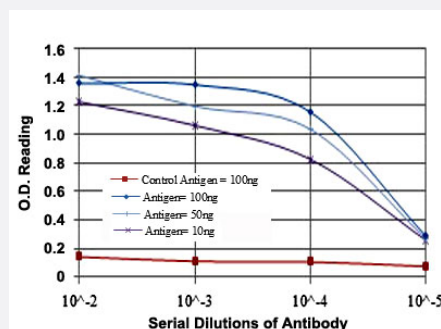


Immunofluorescence

Immunofluorescence analysis of HepG2 cells using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) (green) . Blue: DRAQ5 fluorescent DNA dye.

Enzyme-linked Immunoabsorbent Assay

ELISA measurement of HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) .



Specification

Product Description Mouse monoclonal antibody raised against partial recombinant HFE.

Immunogen Recombinant protein corresponding to human HFE.

Host Mouse

Theoretical MW (kDa) 40

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage
 ELISA (1:10000)
 Western Blot (1:500-1:2000)
 Immunofluorescence (1:200-1:1000)
 The optimal working dilution should be determined by the end user.

Storage Buffer In ascites (0.03% sodium azide)

Storage Instruction
 Store at 4°C. For long term storage store at -20°C.
 Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) against HEK293 (1) and HFE-hlgFc transfected HEK293 (2) cell lysate.

- Western Blot (Recombinant protein)

Western blot analysis using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) against recombinant protein.

- Immunofluorescence

Immunofluorescence analysis of HepG2 cells using HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) (green) . Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of HFE monoclonal antibody, clone 3F1 (Cat # MAB10680) .

Gene Info — HFE

Entrez GeneID [3077](#)

Gene Name HFE

Gene Alias HFE1, HH, HLA-H, MGC103790, dJ221C16.10.1

Gene Description hemochromatosis

Omim ID [176200](#) [235200](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations MHC class I-like protein HFE|hemochromatosis protein|hereditary hemochromatosis protein HLA-H

Disease

- [Abortion](#)
- [Activated Protein C Resistance](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)

- [Adenoma](#)
- [Adenomatous Polyps](#)
- [Albuminuria](#)
- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [alpha-Thalassemia](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Arteriosclerosis](#)
- [Arthralgia](#)
- [Arthritis](#)
- [Asthenia](#)
- [Atherosclerosis](#)
- [Barrett Esophagus](#)
- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)

- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cell Transformation](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Chondrocalcinosis](#)
- [Chromosome Aberrations](#)
- [Chronic Disease](#)
- [Cluster Headache](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
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- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)

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- [Diabetic Neuropathies](#)
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- [Disease Susceptibility](#)
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- [DNA Virus Infections](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fatigue](#)
- [Fatty Liver](#)
- [Fetal Death](#)
- [Fibrosis](#)
- [Flaviviridae Infections](#)
- [Gastrointestinal Hemorrhage](#)
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- [Genital Diseases](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Heart Diseases](#)
- [Heart Failure](#)
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- [Hemochromatosis](#)

- [Hemoglobinopathies](#)
- [Hemosiderosis](#)
- [Hepatic Veno-Occlusive Disease](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
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- [Hereditary hemochromatosis](#)
- [HIV Infections](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
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- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Peripheral Nervous System Diseases](#)
- [Pigmentation Disorders](#)
- [Polycythemia Vera](#)
- [Porphyria](#)
- [Porphyria Cutanea Tarda](#)
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- [Syndrome](#)
- [Thalassemia](#)
- [Thrombocythemia](#)
- [Thrombophilia](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
- [Varicose Ulcer](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Werner syndrome](#)