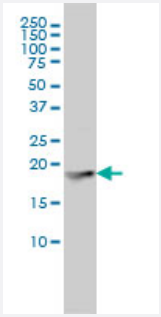
FTL monoclonal antibody (M16), clone X1

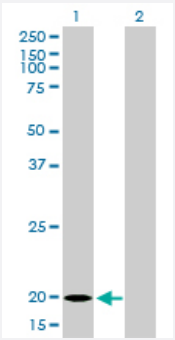
Catalog # H00002512-M16 Size 100 ug

Applications



Western Blot (Cell lysate)

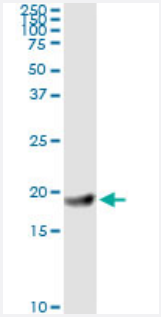
FTL monoclonal antibody (M16), clone X1 Western Blot analysis of FTL expression in K-562 (Cat # L009V1).



Western Blot (Transfected lysate)

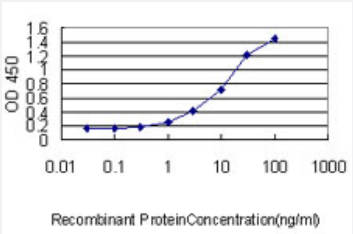
Western Blot analysis of FTL expression in transfected 293T cell line by FTL monoclonal antibody (M16), clone X1.

Lane 1: FTL transfected lysate(20 KDa).
Lane 2: Non-transfected lysate.



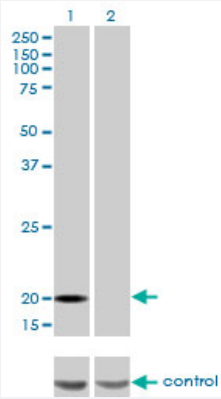
Immunoprecipitation

Immunoprecipitation of FTL transfected lysate using anti-FTL monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FTL MaxPab rabbit polyclonal antibody.



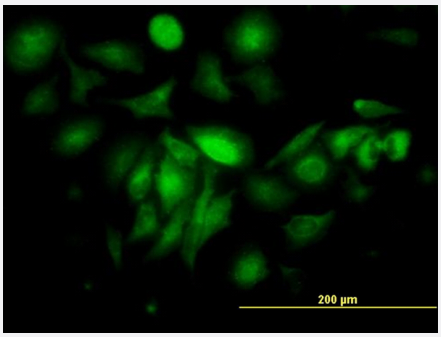
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FTL is approximately 0.03ng/ml as a capture antibody.



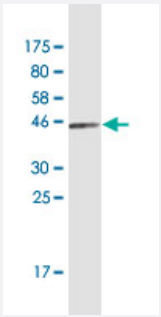
RNAi Knockdown (Antibody validated)

Western blot analysis of FTL over-expressed 293 cell line, cotransfected with FTL Validated Chimera RNAi (Cat # H00002512-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FTL monoclonal antibody (M16), clone X1 (Cat # H00002512-M16). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to FTL on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (44.99 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant FTL.
Immunogen	FTL (AAH04245, 1 a.a. ~ 175 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSSQIRQNYSTDVEAAVNSLVNLYLQASYTYLSLGFYFDRDDVALEGVSHFFRELAEEKREGYER LLKMQNQRGGRALFQDIKKPAEDEWGKTPDAMKAAMALEKKLNQALLDLHALGSARTDPHLCD FLETHFLDEEVKLIKKMGDHLTNLHRLGGPEAGLGEYLFERLTLKHD
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44.99 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  FTL monoclonal antibody (M16), clone X1 Western Blot analysis of FTL expression in K-562 (Cat # L009V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of FTL expression in transfected 293T cell line by FTL monoclonal antibody (M16), clone X1.

  Lane 1: FTL transfected lysate(20 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of FTL transfected lysate using anti-FTL monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FTL MaxPab rabbit polyclonal antibody.

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged FTL is approximately 0.03ng/ml as a capture antibody.

  Protocol Download

- ELISA

- RNAi Knockdown (Antibody validated)

  Western blot analysis of FTL over-expressed 293 cell line, cotransfected with FTL Validated Chimera RNAi (Cat # H00002512-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with FTL monoclonal antibody (M16), clone X1 (Cat # H00002512-M16). GAPDH (36.1 kDa) used as specificity and loading control.

  Protocol Download

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to FTL on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — FTL

Entrez GeneID	2512
GeneBank Accession#	BC004245
Protein Accession#	AAH04245
Gene Name	FTL
Gene Alias	MGC71996
Gene Description	ferritin, light polypeptide
Omim ID	134790 600886 606159
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the light subunit of the ferritin protein. Ferritin is the major intracellular iron stor age protein in prokaryotes and eukaryotes. It is composed of 24 subunits of the heavy and light fer ritin chains. Variation in ferritin subunit composition may affect the rates of iron uptake and releas e in different tissues. A major function of ferritin is the storage of iron in a soluble and nontoxic stat e. Defects in this light chain ferritin gene are associated with several neurodegenerative diseases and hyperferritinemia-cataract syndrome. This gene has multiple pseudogenes. [provided by Ref Seq
Other Designations	L apoferritin|ferritin L subunit|ferritin L-chain|ferritin light chain|ferritin light polypeptide-like 3

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease

- Huntington disease
- Lung Neoplasms
- Parkinson disease