

Ferritin Recombinant Antibody | FTMT recombinant antibody

Anti-Ferritin [F11 (HSF102)], Mouse IgG2a, kappa

CATALOG # AAA72561	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA
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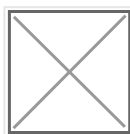
PRODUCT SYNONYMS

Ferritin; Monoclonal Recombinant Antibody; Anti-Ferritin [F11 (HSF102)]; Mouse IgG2a; kappa; FTMT; FTL; FTH1; Ferritin mitochondrial; B8; FTMT recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a kappa
Clone Number	F11 (HSF102)
Specificity	This antibody binds human ferritin. This protein catalyzes the oxidation of ferrous iron(II) to ferric iron(III) and stores iron in a soluble, non-toxic, readily available form. Ferritin is important for iron homeostasis.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for FTMT recombinant antibody	ELISA
Pub PMID	9891990
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry using anti-Ferritin antibody F11 (HSF102) (AAA72561). Paraformaldehyde fixed MCF7 cells permeabilized with 0.5% Triton were restained with the anti-unknown specificity antibody or the rabbit IgG version of F11 (HSF102) (AAA72561, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow cytometer.

IF (Immunofluorescence)

Immunofluorescence staining of MCF7 cells. Cells were fixed with 4% paraformaldehyde, permeabilized with 0.5% Triton, and stained with the anti-unknown specificity antibody or the rabbit IgG version of F11 (HSF102) (AAA72561, blue line) at a dilution of 1:100 for 1 hour at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG Alexa Fluor 488 antibody at a dilution of 1:1000, and the cells were analyzed using a FACSCanto flow cytometer.

ADDITIONAL INFORMATION

Related Product Information for FTMT recombinant antibody	The original antibody was generated by immunizing female Balb/c mice with ferritin extracted from human spleen cells.
References	Bespalov et al. Preparation of single-chained antibodies to human ferritin in Escherichia coli. Mol Biol (Mosk). 1993 Mar-Apr;27(2):451-60. N/A8487773 Note on publication: Describes the generation of scFv antibodies using E. coli expression system.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29126241
NCBI GeneID	94033
NCBI Accession #	NP_803431.1
NCBI GenBank Nucleotide #	NM_177478.1
UniProt Accession #	Q8N4E7
Molecular Weight	27,538 Da
NCBI Official Full Name	ferritin, mitochondrial
NCBI Official Synonym Full Names	ferritin mitochondrial
NCBI Official Symbol	FTMT
NCBI Official Synonym Symbols	MTF
NCBI Protein Information	ferritin, mitochondrial
UniProt Protein Name	Ferritin, mitochondrial
UniProt Gene Name	FTMT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ferritin-recombinant-antibody-clone-f11-hsf102-elisa/72561>