Mouse Ferritin, Light Chain (FTL) Monoclonal Antibody | anti-FTL antibody

Ferritin, Light Chain (FTL) (Microglia Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62991	**Mouse**	**Human. Others not known.**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Ferritin; Light Chain (FTL); Monoclonal Antibody; Light Chain (FTL) (Microglia Marker); Ferritin L chain; Ferritin L subunit; Ferritin light chain; Ferritin light polypeptide; FTL; LFTD; NBIA3; anti-FTL antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1
Clone Number	FTL/1389
Specificity	Mammalian ferritins consist of 24 subunits made up of 2 types of polypeptide chains, ferritin heavy chain and ferritin light chain. Ferritin heavy chains catalyze the first step in iron storage, the oxidation of Fe (II), whereas ferritin light chains promote the nucleation of ferrihydrite, enabling storage of Fe (III). Light chain ferritin is involved in cataracts by at least two mechanisms, hereditary hyperferritinemia cataract syndrome, in which light chain ferritin is overexpressed, and oxidative stress, an important factor in the development of ageing-related cataracts.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	175
Applicable Applications for anti-FTL antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant human FTL protein fragment (aa 38-165)
Cellular Localization	Cytoplasmic
Hu-chromosome Location	19q13.33
Positive Control	HepG2, HeLa, HL-60 or 293T cells. Pancreas, Liver, Cerebellum or Testis.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with Ferritin, Light Chain Monoclonal Antibody (FTL/1389).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with Ferritin, Light Chain Monoclonal Antibody (FTL/1389).

ADDITIONAL INFORMATION

References	Y. Kaneko, T. Kitamoto, J. Tateishi, K. Yamaguchi. Ferritin immunohistochemistry as a marker for microglia. Acta Neuropathologica. 1989, Volume 79; 129-136.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149498
NCBI GeneID	2512
NCBI Accession #	NP_000137.2
NCBI GenBank Nucleotide #	NM_000146.3
UniProt Accession #	P02792; Q6IBT7; Q7Z2W1; Q86WI9; Q8WU07; Q96AU9; Q96CU0; Q9BTZ8; B2R4B9
Molecular Weight	19-25kDa
NCBI Official Full Name	ferritin light chain
NCBI Official Synonym Full Names	ferritin light chain
NCBI Official Symbol	FTL
NCBI Official Synonym Symbols	LFTD; NBIA3
NCBI Protein Information	ferritin light chain
UniProt Protein Name	Ferritin light chain
UniProt Gene Name	**FTL**
UniProt Synonym Gene Names	Ferritin L subunit

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-light-chain-ftl-antibody-clone-ftl-1389-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62991