

## Mouse anti-Human Ferritin, Light Chain Antibody | anti-FTL antibody

Ferritin, Light Chain (Node-Negative Breast Tumor Prognostic Marker)

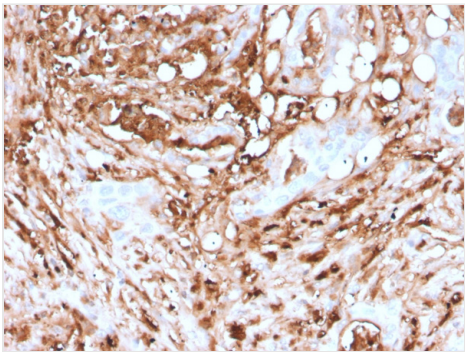
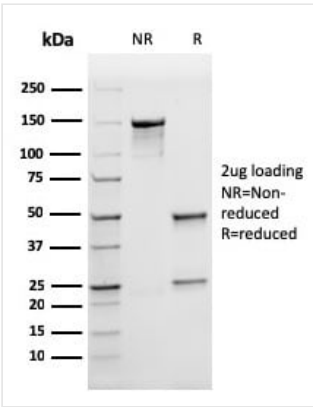
|                               |                      |                            |                                             |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA214980</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

Ferritin; Light Chain; Light Chain (Node-Negative Breast Tumor Prognostic Marker); Ferritin L chain; Ferritin L subunit; Ferritin light chain; Ferritin light polypeptide; FTL; LFTD; NBIA3; anti-FTL antibody

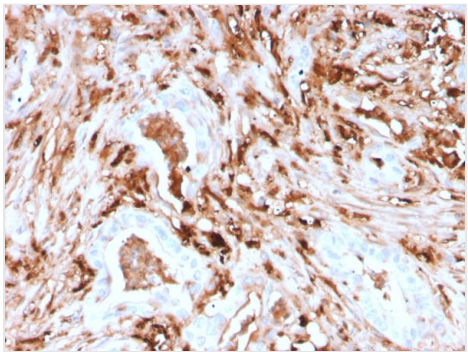
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isotype                                       | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                  | rFTL/1388                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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. |
| Purity/Purification                           | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Positive Control                              | HepG2, HeLa, HL-60 or 293T cells. Pancreas, Liver, Cerebellum or Testis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                                     | Recombinant fragment (around aa 38-165) of human FTL protein (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cellular Localization                         | Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hu-chromosome Location                        | 19q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Antibody Type                                 | Recombinant Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                       | Antibody with azide: store at 2 to 8 degree C.<br>Antibody without azide: store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                        |



IHC (Immunohistochemistry)  
Formalin-fixed, paraffin-embedded human Pancreas stained with Ferritin, Light Chain Recombinant Mouse Monoclonal Antibody (rFTL/1388).

SDS-PAGE  
SDS-PAGE Analysis Purified Ferritin LC Recombinant Mouse Monoclonal Antibody (rFTL/1388). Confirmation of Integrity and Purity of Antibody



IHC (Immunohistochemistry)  
Formalin-fixed, paraffin-embedded human Pancreas stained with Ferritin, Light Chain Recombinant Mouse Monoclonal Antibody (rFTL/1388).

ADDITIONAL INFORMATION

|            |                                                                                                                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Jezequel P, et. al. Validation of tumor-associated macrophage ferritin light chain as a prognostic biomarker in node-negative breast cancer tumors: A multicentric 2004 national PHRC study Int. J Cancer. 2012;131(2):426-3 |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                      |
|----------------------------------|----------------------|
| NCBI GI #                        | 20149498             |
| NCBI GeneID                      | 2512                 |
| NCBI Accession #                 | NP_000137.2          |
| NCBI GenBank Nucleotide #        | NP_000137.2          |
| UniProt Accession #              | P02792               |
| 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 |
| UniProt Entry Name         | FRIL_HUMAN         |

**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/mouse-ftl-human-antibody/ferritin-light-chain/214980>