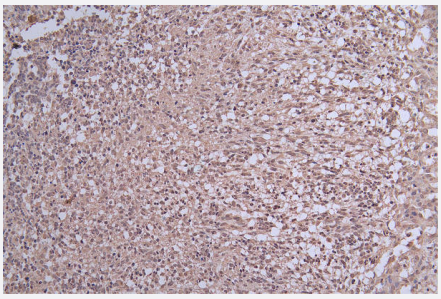
RecomAb™

# FTL recombinant monoclonal antibody, clone 12D12

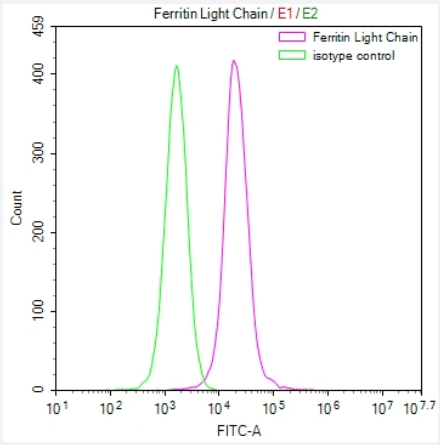
Catalog # RAB07708 Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of FTL recombinant monoclonal antibody, clone 12D12 diluted at 1:50 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system.




### Flow Cytometry

Overlay Peak curve showing MCF-7 cells stained with FTL recombinant monoclonal antibody, clone 12D12 (red line) at 1:50.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human FTL. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human FTL. |
| **Reactivity** | Human |
| **Form** | Liquid |

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| | |
|---|---|
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity chromatography purification |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Flow Cytometry(1:50-1:200)<br>Immunohistochemistry(1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol) |
| **Storage Instruction** | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of FTL recombinant monoclonal antibody, clone 12D12 diluted at 1:50 and staining in paraffin-embedded human glioma cancer performed on a Leica BondTM system.

- Flow Cytometry

  Overlay Peak curve showing MCF-7 cells stained with FTL recombinant monoclonal antibody, clone 12D12 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FTL

| | |
|---|---|
| **Entrez GeneID** | 2512 |
| **Protein Accession#** | P02792 |
| **Gene Name** | FTL |
| **Gene Alias** | MGC71996 |
| **Gene Description** | ferritin, light polypeptide |
| **Omim ID** | 134790 600886 606159 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **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

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