

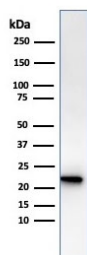
## Recombinant FTL Antibody / Ferritin Light Chain [clone rFTL/1386] (V8510)

Catalog No.	Formulation	Size
V8510-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8510-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8510SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

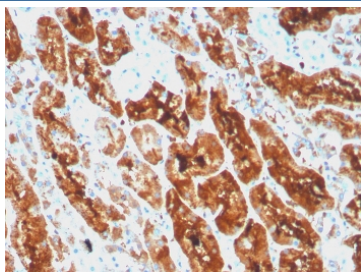
Recombinant **MOUSE MONOCLONAL**

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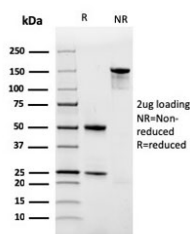
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rFTL/1386
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P02792
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant FTL antibody is available for research use only.



Western blot testing of human kidney lysate with recombinant FTL antibody. Predicted molecular weight: ~20 kDa.



IHC staining of FFPE human kidney with recombinant FTL antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant FTL antibody as confirmation of integrity and purity.

## Description

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.

## Application Notes

Optimal dilution of the recombinant FTL antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human FTL protein was used as the immunogen for the recombinant FTL antibody.

## Storage

Store the recombinant FTL antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).