

# Ferritin light chain Conjugated Monoclonal Antibody

Catalog No: #C42045



Package Size: #C42045-AF350 100ul #C42045-AF405 100ul #C42045-AF488 100ul  
 #C42045-AF555 100ul #C42045-AF594 100ul #C42045-AF647 100ul  
 #C42045-AF680 100ul #C42045-AF750 100ul #C42045-Biotin 100ul

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | Ferritin light chain Conjugated Monoclonal Antibody  |
| Host Species          | Mouse  |
| Clonality             | Monoclonal   |
| Species Reactivity    | Hu   |
| Specificity           | specific for human Ferritin light chain denatured and native forms   |
| Immunogen Description | Recombinant Human Ferritin light chain   |
| Conjugates            | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750   |
| Other Names           | FTL, Ferritin L subunit  |
| Accession No.         | Swiss-Prot#:P02792   |
| Uniprot               | P02792   |
| GeneID                | 2512;  |
| Excitation Emission   | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Formulation           | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide  |
| Storage               | Store at 4°C in dark for 6 months  |

## Application Details

### Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation. Also plays a role in delivery of iron to cells. Mediates iron uptake in capsule cells of the developing kidney.

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Note: This product is for in vitro research use only