

# CoraLite®594-conjugated Ceruloplasmin Monoclonal antibody

Catalog Number: **CL594-66156**

## Basic Information

<b>Catalog Number:</b> CL594-66156	<b>GenBank Accession Number:</b> BC146663	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1356	<b>CloneNo.:</b> 3C8A5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P00450	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> ceruloplasmin (ferroxidase)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG15535	<b>Calculated MW:</b> 1065 aa, 122 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

Ceruloplasmin (CP) is a serum glycoprotein synthesized by hepatocytes and functions as the major transport protein of copper in blood where it acts as ferroxidase and is required for iron transport of transferrin. The intact ceruloplasmin migrated around 130-140 kDa and some proteolytic cleaved fragments could also be observed.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol)  
fixed HeLa cells using Coralite®594  
Ceruloplasmin antibody (CL594-66156, Clone:  
3C8A5 ) at dilution of 1:200.