

For Research Use Only

# CoraLite®594-conjugated calreticulin Recombinant monoclonal antibody

Catalog Number:CL594-85593-6



## Basic Information

<b>Catalog Number:</b> CL594-85593-6	<b>GenBank Accession Number:</b> NM_007591.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 12317	<b>CloneNo.:</b> 243011A9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14211	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> calreticulin	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> EG3005	<b>Calculated MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

CALR, also named as grp60, ERp60, HACBP, CRP55, CRTC and Calregulin, belongs to the calreticulin family. It is a molecular calcium-binding chaperone promoting folding, oligomeric assembly and quality control in the ER via the calreticulin/calnexin cycle. CALR is a ER marker. It interacts transiently with almost all of the monoglucosylated glycoproteins that are synthesized in the ER. CALR interacts with the DNA-binding domain of NR3C1 and mediates its nuclear export.

## 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, pH7.3  
Aliquoting is unnecessary for -20°C storage

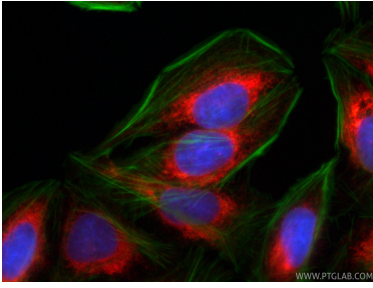
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® 594 calreticulin antibody (CL594-85593-6, Clone: 243011A9) at dilution of 1:200, CL488-phalloidin (green).