

For Research Use Only

# CoraLite®594-conjugated POMC Monoclonal antibody



Catalog Number:CL594-66358

## Basic Information

<b>Catalog Number:</b> CL594-66358	<b>GenBank Accession Number:</b> BC065832	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 2467 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5443	<b>CloneNo.:</b> 3C12C7
<b>Source:</b> Mouse	<b>Full Name:</b> proopiomelanocortin	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 267 aa, 29 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG17311		

## Applications

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

## Background Information

Pro-opiomelanocortin (POMC) is a prohormone that encodes multiple smaller peptide hormones within its structure. POMC plays important roles in many pathological and physiological processes, including regulating energy metabolism, immune reactions, and sexual functions. POMC expression differs quantitatively and qualitatively among most normal tissues. The large molecule of POMC is the source of several important biologically active substances. POMC can be cleaved enzymatically into the following peptides: d NPP,  $\gamma$ -MSH, ACTH,  $\alpha$ -MSH, CLIP, Lipotropin  $\beta$ , Lipotropin  $\gamma$ ,  $\beta$ -MSH,  $\beta$  endorphin and Met-enkephalin.

## Storage

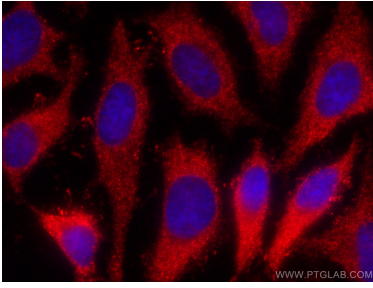
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite®594 POMC antibody (CL594-66358, Clone: 3C12C7) at dilution of 1:200.