

For Research Use Only

# CoraLite®594-conjugated GSTM3 Monoclonal antibody



Catalog Number:CL594-67634

## Basic Information

<b>Catalog Number:</b> CL594-67634	<b>GenBank Accession Number:</b> BC000088	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2947	<b>CloneNo.:</b> 1E2B8
<b>Source:</b> Mouse	<b>Full Name:</b> glutathione S-transferase mu 3 (brain)	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 27 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG7494	<b>Observed MW:</b> 27 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : A431 cells,
<b>Species Specificity:</b> Human, pig	

## Background Information

GSTM3 is a cytosolic enzyme involved in prostaglandin and leukotriene synthesis and in the metabolism of toxic compounds, such as chemotherapeutic drugs, insecticides, herbicides, carcinogens, and by-products of oxidative stress. GSTM3 is expressed in testis, brain, lung, and lymphocytes. GSTM3 have been reported to be dysregulated in cancers like prostate cancer and colon cancer.

## 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 (4% PFA) fixed A431 cells using CoraLite®594 GSTM3 antibody (CL594-67634, Clone: 1E2B8 ) at dilution of 1:200.