

# CoraLite® Plus 488-conjugated GSTM3 Monoclonal antibody

Catalog Number: **CL488-67634**

## Basic Information

Catalog Number: <b>CL488-67634</b>	GenBank Accession Number: <b>BC000088</b>	Purification Method: <b>Protein G purification</b>
Size: <b>1000 µg/ml</b>	GeneID (NCBI): <b>2947</b>	CloneNo.: <b>1E2B8</b>
Source: <b>Mouse</b>	UNIPROT ID: <b>P21266</b>	Recommended Dilutions: <b>IF/ICC 1:300-1:1200</b>
Isotype: <b>IgG1</b>	Full Name: <b>glutathione S-transferase mu 3 (brain)</b>	Excitation/Emission maxima wavelengths: <b>493 nm / 522 nm</b>
Immunogen Catalog Number: <b>AG7494</b>	Calculated MW: <b>27 kDa</b>	
	Observed MW: <b>27 kDa</b>	

## Applications

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

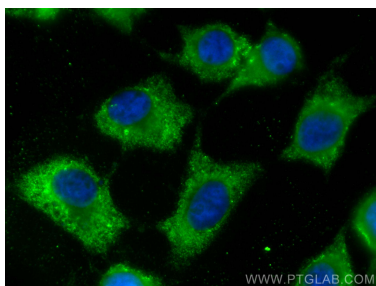
## Background Information

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**

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite® Plus 488 GSTM3 antibody (CL488-67634, Clone: 1E2B8 ) at dilution of 1:600.