

CoraLite®594-conjugated GSTT1 Monoclonal antibody

Catalog Number: **CL594-67645**

Basic Information

Catalog Number:

CL594-67645

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG8573

GenBank Accession Number:

BC007065

GeneID (NCBI):

2952

UNIPROT ID:

P30711

Full Name:

glutathione S-transferase theta 1

Calculated MW:

240 aa, 27 kDa

Observed MW:

28 kDa, 30 kDa

Purification Method:

Protein A purification

CloneNo.:

1A4C11

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human, mouse

Positive Controls:

IF-P : mouse liver tissue,

Background Information

GSTT1 belongs to the GST superfamily and Theta family. It is a conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. GSTT1 acts on 1,2-epoxy-3-(4-nitrophenoxy)propane, phenethylisothiocyanate 4-nitrobenzyl chloride and 4-nitrophenethyl bromide. It displays glutathione peroxidase activity with cumene hydroperoxide. GSTM1 and GSTT1 has been suggested as a risk factor in various cancers. GSTT1 is important in the detoxification of unidentified xenobiotics in the large intestine.

Storage

Storage:

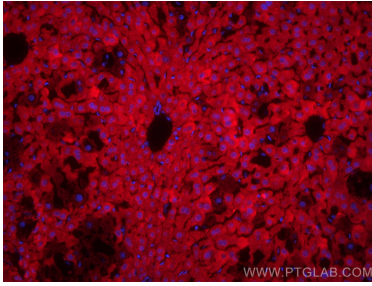
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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 (4% PFA) fixed mouse liver tissue using CoraLite®594 GSTT1 antibody (CL594-67645, Clone: 1A4C11) at dilution of 1:200.