For Research Use Only

CoraLite®594-conjugated Catalase Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL594-66765

Basic Information

Catalog Number:
CL594-66765

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16916

GenBank Accession Number:
BC112219

GeneID (NCBI):
847

UNIPROT ID:
P04040

Full Name:
catalase

Calculated MW:
60 kDa

Observed MW:
60 kDa

Purification Method:
Protein G purification

CloneNo.:
1F8D7

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat, Pig

Background Information

Catalase belongs to the catalase family. CAT occurs in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide. CAT promotes growth of cells including T-cells, B-cells, myeloid leukemia cells, melanoma cells, mastocytoma cells and normal and transformed fibroblast cells. CAT catalyzes the reaction: 2 H2O2 = O2 + 2 H2O. Defects in CAT are the cause of acatalasia (ACATLAS) which also known as acatalasemia.

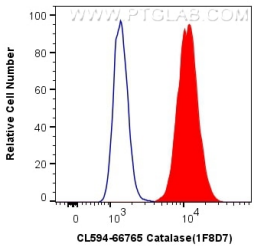
Storage

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

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



1X10^6 HepG2 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human Catalase (CL594-66765, Clone:1F8D7) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.