

For Research Use Only

CoraLite®594-conjugated Catalase Monoclonal antibody



Catalog Number:CL594-66765

Basic Information

Catalog Number: CL594-66765	GenBank Accession Number: BC112219	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 847	CloneNo.: 1F8D7
Source: Mouse	Full Name: catalase	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG1	Calculated MW: 60 kDa	
Immunogen Catalog Number: AG16916	Observed MW: 60 kDa	

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: $2 \text{H}_2\text{O}_2 = \text{O}_2 + 2 \text{H}_2\text{O}$. 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.

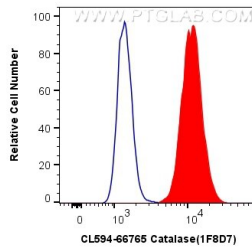
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

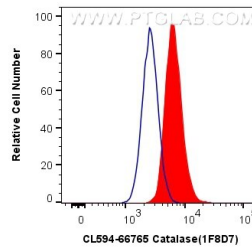
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ 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.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Catalase (CL594-66765, Clone:1F8D7) (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).