For Research Use Only

CoraLite®594-conjugated SOD1 Monoclonal antibody

Catalog Number:CL594-67480

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-67480

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

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG28553

GenBank Accession Number:
BC001034

GeneID (NCBI):
6647

Full Name:
superoxide dismutase 1, soluble

Calculated MW:
16 kDa

Observed MW:
16-20 kDa

Purification Method:
Protein A purification

CloneNo.:
2F10G1

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat, Pig

Background Information

Superoxide dismutase 1, soluble (amyotrophic lateral sclerosis 1 (adult)) (SOD1, synonyms: ALS, SOD, ALS1, IPOA) binds copper and zinc ions and is one of two isozymes responsible for destroying free uperoxide radicals in the body. This isozyme is a soluble cytoplasmic protein, acting as a homodimer to convert naturally-occuring but harmful superoxide radicals to molecular oxygen and hydrogen peroxide. The other isozyme is a mitochondrial protein. Mutations in this gene have been implicated as causes of familial amyotrophic lateral sclerosis.

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
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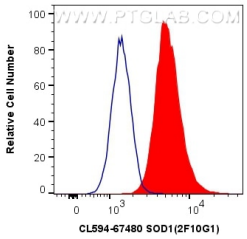
Selected Validation Data



1X10^6 HEK-293T cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human SOD1 (CL594-67480, Clone:2F10G1) (red), or 0.8 ug CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).