

For Research Use Only

CoraLite® Plus 647-conjugated SOX9 Monoclonal antibody

Catalog Number: CL647-67439

Featured Product



Basic Information

Catalog Number:

CL647-67439

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28620

GenBank Accession Number:

BC007951

GeneID (NCBI):

6662

UNIPROT ID:

P48436

Full Name:

SRY (sex determining region Y)-box 9

Calculated MW:

509 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Protein G purification

CloneNo.:

1H9A6

Recommended Dilutions:

FC (Intra): 0.80 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

Positive Controls:

FC (Intra) : HeLa cells,

Background Information

SOX9, also named as Transcription factor SOX-9, is a 509 amino acid protein. Sex-determining region Y (SRY)-box 9 protein (SOX9) is a member of the SOX family of transcription factors (TFs) which are developmental regulators that possess high mobility group (HMG) box DNA binding and transactivation domains. It participates in a variety of functions, such as lineage restriction and terminal differentiation, through precise temporal and spatial expression patterns that differ between particular cell types and tissues. SOX9 gene has been implicated in different types of cancer as an oncogene; however, it also may behave as a tumor suppressor.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

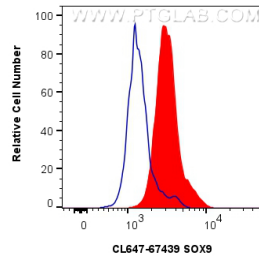
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug Coralite® Plus 647 Sox9 Monoclonal Antibody (CL647-67439, Clone:1H9A6)(red), or 0.8 ug Coralite® Plus 647 Mouse IgG1 Isotype Control (1F8D3) (CL647-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).