

# CoraLite® Plus 488-conjugated SOX9 Monoclonal antibody

Catalog Number: **CL488-67439**

## Basic Information

Catalog Number:

CL488-67439

Size:

1000 µg/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

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse

## 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:

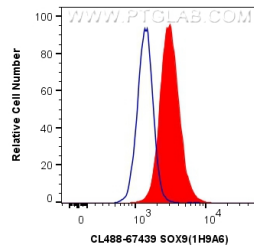
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.8  $\mu$ g CoraLite® Plus 488 Anti-Human SOX9 (CL488-67439, Clone:1H9A6) (red), or 0.8  $\mu$ g CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).