

For Research Use Only

CoraLite® Plus 488-conjugated SOX9 Monoclonal antibody



Catalog Number: **CL488-67439**

Basic Information

Catalog Number: CL488-67439	GenBank Accession Number: BC007951	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 6662	CloneNo.: 1H9A6
Source: Mouse	UNIPROT ID: P48436	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1	Full Name: SRY (sex determining region Y)-box 9	
Immunogen Catalog Number: AG28620	Calculated MW: 509 aa, 56 kDa	
	Observed MW: 56 kDa	

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

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

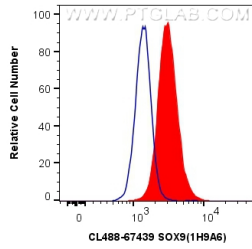
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.8 μg CoraLite® Plus 488 Anti-Human SOX9 (CL488-67439, Clone:1H9A6) (red), or 0.8 μg 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).