

CoraLite® Plus 488-conjugated COX-1/Cyclooxygenase-1 Monoclonal antibody

Catalog Number: CL488-67346

Basic Information

Catalog Number: CL488-67346	GenBank Accession Number: BC029840	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5742	CloneNo.: 1F12G7
Source: Mouse	UNIPROT ID: P23219	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28280	Calculated MW: 599 aa, 69 kDa	
	Observed MW: 60-72 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: human	

Background Information

PTGS1 (Prostaglandin G/H synthase 1) belongs to the prostaglandin G/H synthase family and catalyzes the conversion of arachidonic acid to prostaglandin H₂, which is subsequently metabolized to various biologically active prostaglandins. It is also named as COX1 (Cyclooxygenase-1). There is no PTGS1 expression in fetal samples (prostate, seminal vesicles, or ejaculatory ducts), and only minimal expression in adult tissues (PMID: 10999846). PTGS1 has some isoforms with MW of 56-72 kD and PTGS1 can form homodimer.

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
 Aliquoting is unnecessary for -20°C storage

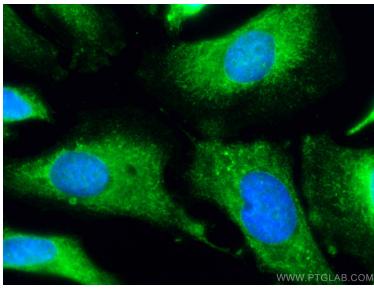
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 PTGS1 antibody (CL488-67346, Clone: 1F12G7) at dilution of 1:100.