

For Research Use Only

CoraLite® Plus 488-conjugated HPRT1 Monoclonal antibody



Catalog Number:CL488-67518

Basic Information

Catalog Number: CL488-67518	GenBank Accession Number: BC000578	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 3251	CloneNo.: 1C3D1
Source: Mouse	UNIPROT ID: P00492	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: hypoxanthine phosphoribosyltransferase 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7044	Calculated MW: 25 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HeLa cells,
Species Specificity: Human, Mouse, Rat	

Background Information

HPRT1, also named as HGPRT, plays a central role in the generation of purine nucleotides through the purine salvage pathway. Mutation of HPRT1 is associated with Lesch-Nyhan syndrome (LNS) which is an X-linked inherited neurogenetic disorder of purine metabolism. It has been reported that HPRT1 also plays an important role in HPRT-related gout. 67518-1-Ig antibody detects the protein around 28 kDa in SDS-PAGE. And HPRT1 deficient cell line Sp2/0 was served as a negative control in PTC's results.(PMID:20544509, 28045594, 27379977)

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

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

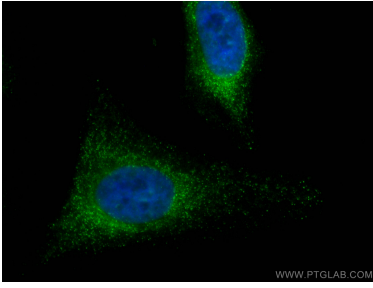
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488-conjugated HPRT1 antibody (CL488-67518, Clone: 1C3D1) at dilution of 1:100.