

For Research Use Only

CoraLite® Plus 488-conjugated TPI1 Monoclonal antibody



Catalog Number: CL488-67515

Basic Information

Catalog Number: CL488-67515	GenBank Accession Number: BC007086	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 7167	CloneNo.: 2E7E5
Source: Mouse	UNIPROT ID: P60174	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: triosephosphate isomerase 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG16653	Calculated MW: 27 kDa	
	Observed MW: 27 kDa	

Applications

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

Background Information

TPI1 (Triosephosphate isomerase) is also named as TIM, TPI and belongs to the triosephosphate isomerase family. It is a key enzyme in cell metabolism that controls the glycolytic flow and energy production through the interconversion of dihydroxyacetone phosphate (DHAP) and D-glyceraldehyde 3-phosphate (G3P) (PMID:19251756). Defects in TPI1 are the cause of triosephosphate isomerase deficiency (TPI deficiency). It can exist as a homodimer (PMID:18562316).

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:

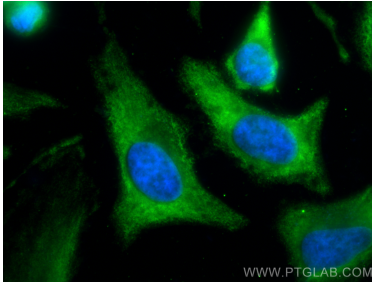
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 TPI1 antibody (CL488-67515, Clone: 2E7E5) at dilution of 1:200.