

For Research Use Only

CoraLite® Plus 488-conjugated NIT2 Monoclonal antibody



Catalog Number:CL488-68169

Basic Information

Catalog Number: CL488-68169	GenBank Accession Number: BC020620	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 56954	CloneNo.: 1E5B1
Source: Mouse	Full Name: nitrilase family, member 2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 276 aa, 31 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG9889	Observed MW: 31 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : U-251 cells,
Species Specificity: Human, mouse, rat, pig	

Background Information

NIT2 belongs to a branch of the nitrilase superfamily of enzymes that cleave carbon-nitrogen bonds. NIT2 functions as an omega-amidase and catalyzes hydrolysis of alpha-ketoglutarate, forming alpha-ketoglutarate and ammonia. This reaction is also functionally coupled with a subset of transaminases that reaminate the keto acid analogs of some essential amino acids, most particularly methionine and phenylalanine.

Storage

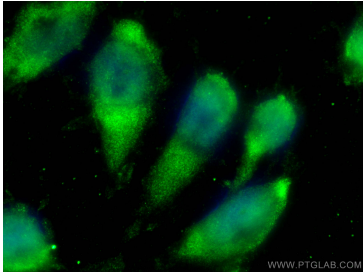
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.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 Ethanol) fixed U-251 cells using CoraLite® Plus 488 NIT2 antibody (CL488-68169, Clone: 1E5B1) at dilution of 1:200.