

For Research Use Only

# CoraLite® Plus 488-conjugated HIGD1A Monoclonal antibody



Catalog Number: **CL488-68231**

## Basic Information

<b>Catalog Number:</b> CL488-68231	<b>GenBank Accession Number:</b> BC000601	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 25994	<b>CloneNo.:</b> 3A8E2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y241	<b>Recommended Dilutions:</b> IF 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> HIG1 hypoxia inducible domain family, member 1A	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG14027	<b>Calculated MW:</b> 93 aa, 10 kDa	
	<b>Observed MW:</b> 10 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : U2OS cells,
<b>Species Specificity:</b> Human	

## Background Information

HIG1 domain family member 1A (HIGD1A) is a proposed subunit of cytochrome c oxidase (COX, complex IV), which is the terminal component of the mitochondrial respiratory chain that catalyzes the reduction of oxygen to water. May play a role in the assembly of respiratory supercomplexes (PMID:22342701). It is induced by hypoxia induction.

## Storage

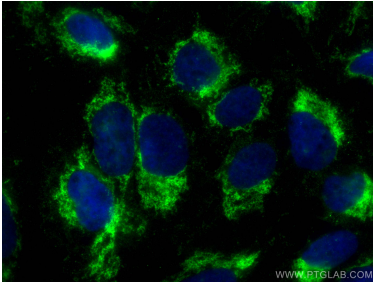
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 HIGD1A antibody (CL488-68231, Clone: 3A8E2 ) at dilution of 1:400.