

For Research Use Only

# CoraLite® Plus 647-conjugated AIF Monoclonal antibody



Catalog Number:CL647-67791

## Basic Information

<b>Catalog Number:</b> CL647-67791	<b>GenBank Accession Number:</b> BC111065	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9131	<b>CloneNo.:</b> 8C12B2
<b>Source:</b> Mouse	<b>Full Name:</b> apoptosis-inducing factor, mitochondrion-associated, 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 609 aa, 66 kDa	<b>Excitation/Emission maxima wavelengths:</b> 650 nm / 665 nm
<b>Immunogen Catalog Number:</b> AG12400	<b>Observed MW:</b> 67 kDa, 57 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human kidney tissue,
<b>Species Specificity:</b> Human	

## Background Information

Apoptosis-inducing factor (AIF) is one of the mitochondrial proteins to be released into the cytosol during apoptosis, and it is discovered as the first protein that regulates caspase-independent apoptosis(PMID:20494118). AIF is encoded as a 67 kDa protein that contains a mitochondrial localization signal (MLS) in the N-terminus.It is cleaved from the 62 kDa to the 57 kDa form following ischemic injury and translocated from the mitochondria to the nucleus in a calpain-dependent manner(PMID:19332058).

## Storage

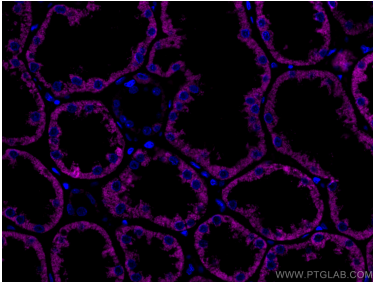
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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 (4% PFA) fixed human kidney tissue using CoraLite® Plus 647 AIF antibody (CL647-67791, Clone: 8C12B2 ) at dilution of 1:200.