

For Research Use Only

# CoraLite® Plus 647-conjugated HSP27 Monoclonal antibody



Catalog Number:CL647-66767

## Basic Information

<b>Catalog Number:</b> CL647-66767	<b>GenBank Accession Number:</b> BC012768	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3315	<b>CloneNo.:</b> 3E7A1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P04792	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> heat shock 27kDa protein 1	
<b>Immunogen Catalog Number:</b> AG27859	<b>Calculated MW:</b> 19-23 kDa	
	<b>Observed MW:</b> 27 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

HSPB1, also known as heat shock protein 27 (Hsp27), belongs to the small heat shock protein family which is induced in response to environmental challenges or/and developmental transitions. It is also an anti-apoptotic protein that plays crucial roles in tumorigenesis and cell survival and is reported to be an independent prognosis marker for cancer. Recently HSPB1 has been found to be a valuable marker for melanoma. In addition to the predicted 27 kDa, an extra 50-55 kDa representing dimeric form of HSPB1 may also be observed (21353161).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

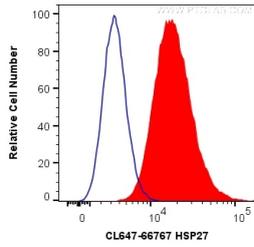
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human HSP27 (CL647-66767, Clone:3E7A1) (red), or 0.2 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).