

# CoraLite® Plus 647-conjugated HSP90 Monoclonal antibody

Catalog Number: **CL647-60318**

## Basic Information

<b>Catalog Number:</b> CL647-60318	<b>GenBank Accession Number:</b> BC023006	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3320	<b>CloneNo.:</b> 3F11C1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P07900	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a	<b>Full Name:</b> heat shock protein 90kDa alpha (cytosolic), class A member 1	
<b>Immunogen Catalog Number:</b> AG3826	<b>Calculated MW:</b> 853 aa, 90 kDa	
	<b>Observed MW:</b> 85-90 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat, pig

## Background Information

HSP90, encoded by HSP90AA1, is a constitutively and ubiquitously expressed molecular chaperone that is crucial for the stability and function of many proteins. HSP90 provides chaperoning activity for client proteins; many of them are members of oncogenic pathways, indicating its implication in tumor malignancy. HSP90 mainly resides in the cytosol, while it can also be released to the extracellular space. Secreted Hsp90 is a C-terminal truncated form. It has been reported that the level of plasma Hsp90 is positively correlated with tumor malignancy in clinical cancer patients, and can be a promising diagnostic marker for tumor malignancy in clinical application.

## Storage

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

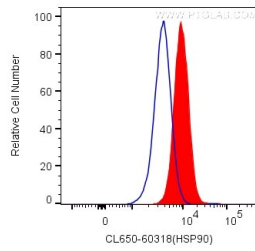
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



1X10<sup>6</sup> K-562 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human HSP90 (CL647-60318, Clone:3F11C1) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).