

For Research Use Only

# CoraLite®594-conjugated HSP90 Monoclonal antibody



Catalog Number:CL594-60318

## Basic Information

<b>Catalog Number:</b> CL594-60318	<b>GenBank Accession Number:</b> BC023006	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100UL, Concentration: 2000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3320	<b>CloneNo.:</b> 3F11C1
<b>Source:</b> Mouse	<b>Full Name:</b> heat shock protein 90kDa alpha (cytosolic), class A member 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 853 aa, 90 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm/614 nm
<b>Immunogen Catalog Number:</b> AG3826	<b>Observed MW:</b> 85-90 kDa	

## Applications

<b>Tested Applications:</b> IF, ELISA	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> 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.

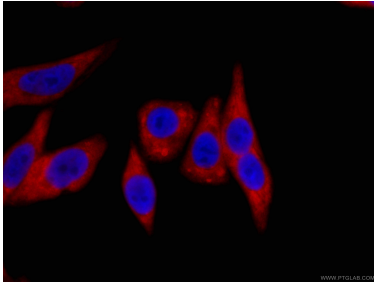
## Storage

**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:  
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 HepG2 cells using CL594-60318 (HSP90 antibody) at dilution of 1:100.