

For Research Use Only

CoraLite® Plus 647-conjugated HSP90 Monoclonal antibody



Catalog Number:CL647-60318

Basic Information

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

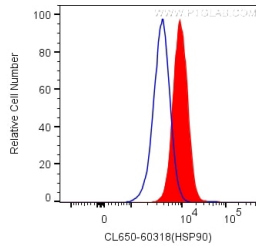
Aliquoting is unnecessary for -20°C storage

*** 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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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ 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).