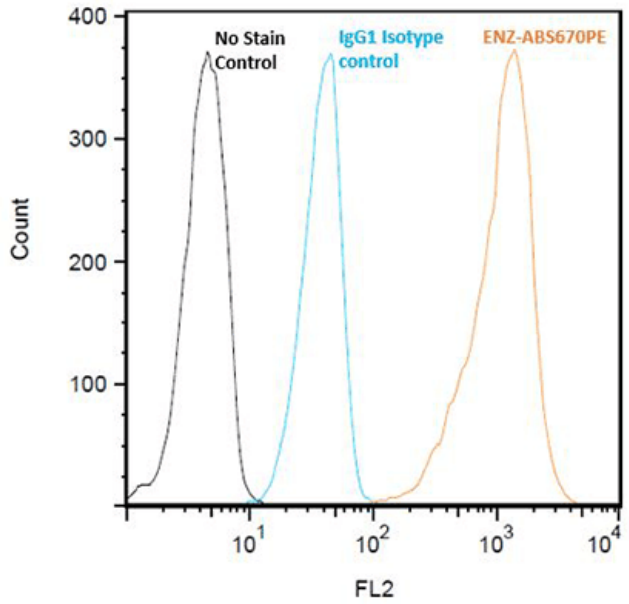
# HSP90 monoclonal antibody (AC88) (PE conjugate)

The Hsp90 family of heat shock proteins represents one of the most abundantly expressed and highly conserved families of cellular chaperones whose expression can be upregulated under conditions of cellular stress, and includes cytoplasmic (Hsp90-alpha/beta), ER (grp94), and mitochondrial (TRAP1) localized members. Structurally, Hsp90 is characterized by an N-terminal ATP-binding domain, a medial substrate-binding domain, and a C-terminal dimerization motif. Hsp90 dimers function in cooperation with cochaperones (e.g. Hsp40, Hsp70, Hop, p23) to stabilize a multitude of client protein substrates, including steroid hormone receptors, protein kinases, and transcription factors. The essential binding and hydrolysis of ATP by Hsp90 is inhibited by ansamycin drugs (e.g. geldanamycin, 17-AAG) which occupy the N-terminal Hsp90 nucleotide-binding pocket. Many Hsp90 client proteins such as erbB2/Her-2, c-raf, bcr-abl, p53, and hTERT, are members of well characterized oncogenic pathways, making Hsp90 inhibitors useful anticancer agents.

**This antibody is covered by our Worry-Free Guarantee.**

**Citations:** 1 View Online »

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Flow cytometry analysis of $10^6$ Jurkat cells stained using HSP90 monoclonal antibody (AC88), (Prod. No. ENZ-ABS670PE), at a concentration of 10µg/ml.

## Handling & Storage

| | |
|---|---|
| **Handling** | Avoid freeze/thaw cycles. Protect from light. |
| **Long Term Storage** | +4°C |
| **Shipping** | Blue Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | Heat shock protein 90 |
| **Application** | Flow Cytometry |
| **Clone** | AC88 |
| **Formulation** | Liquid. In PBS containing 0.09% sodium azide. |
| **Host** | Mouse |
| **Immunogen** | Achlya ambisexualis (water mold) Hsp90. |
| **Isotype** | IgG1κ |
| **Purity Detail** | Protein G affinity purified. |
| **Recommendation Dilutions/Conditions** | Flow Cytometry (1:20-1:100)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application. |
| **Source** | Purified from hybridoma tissue culture supernatant |
| **Species Reactivity** | Beluga, C. elegans, Chicken, Dog, E. coli, Fish, Fusobacterium nucleatum, Guinea pig, Hamster, Human, Monkey, Mouse, Mussel, Mycobacterium leprae, Porcine, Rabbit, Rat, Scallop, Sheep, Water mold |
| **UniProt ID** | Q8LLI6 |
| **Worry-free Guarantee** | **This antibody is covered by our Worry-Free Guarantee .** |

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