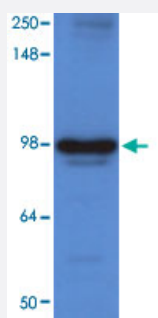


HSP90B1 monoclonal antibody, clone 2H3

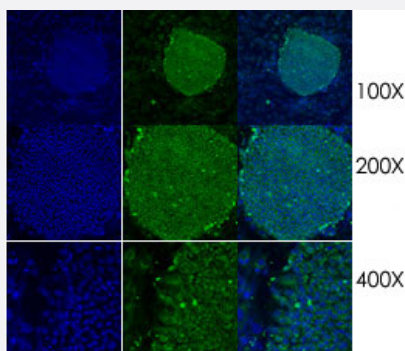
Catalog # MAB1085 Size 100 uL

Applications



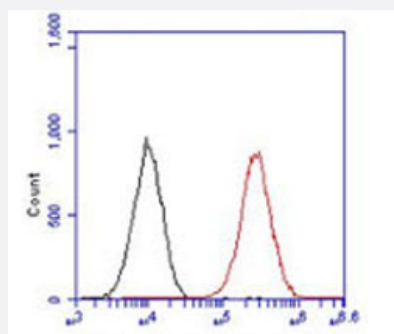
Western Blot (Cell lysate)

Western blot analysis of human ES cell lysate.



Immunofluorescence

Immunofluorescence staining of human ES cells.



Flow Cytometry

Flow cytometric analysis of U87MG cells, staining at 2-5ug for 1x10⁶ cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant HSP90B1.

Immunogen	Recombinant protein corresponding to amino acids 676-803 of human HSP90B1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG2a, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Western Blot(1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of human ES cell lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence staining of human ES cells.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of U87MG cells, staining at 2-5ug for 1×10^6 cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).

Gene Info — HSP90B1

Entrez GeneID [7184](#)

GeneBank Accession# [NM_003299](#)

Protein Accession# [NP_003290](#)

Gene Name HSP90B1

Gene Alias ECGP, GP96, GRP94, TRA1

Gene Description heat shock protein 90kDa beta (Grp94), member 1

Omim ID [191175](#)

Gene Ontology [Hyperlink](#)

Gene Summary HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 is an endoplasmic reticulum HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]

Other Designations Tumor rejection antigen-1 (gp96)|endothelial cell (HBMEC) glycoprotein|glucose regulated protein , 94 kDa|heat shock protein 90kDa beta, member 1|tumor rejection antigen (gp96) 1

Publication Reference

- [The human embryonal carcinoma marker antigen TRA-1-60 is a sialylated keratan sulfate proteoglycan.](#)

Badcock G, Pigott C, Goepel J, Andrews PW.

Cancer Research 1999 Sep; 59(18):4715.

- [TRA-1-60: a new serum marker in patients with germ-cell tumors.](#)

Marrink J, Andrews PW, van Brummen PJ, de Jong HJ, Sleijfer DT, Schraffordt Koops H, Oosterhuis JW.

International Journal of Cancer 1991 Sep; 49(3):368.

Application: ELISA, Human, Human serum

- [Three monoclonal antibodies defining distinct differentiation antigens associated with different high molecular weight polypeptides on the surface of human embryonal carcinoma cells.](#)

Andrews PW, Banting G, Damjanov I, Arnaud D, Avner P.

Hybridoma 1984 Dec; 3(4):347.

Application: Flow Cyt, IHC-Fr, RIA, Human, Mouse, 2102Ep cl2A6 cells, NT2/D1 cells, Xenograft tumors from mouse

Pathway

- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)
- [Schizophrenia](#)