

### 32-5930: Mouse Anti Human Heat Shock Transcription Factor-1(Clone:PJ7F9AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PJ7F9AT.
<b>Application :</b>	ELISA ,WB
<b>Gene :</b>	HSF1
<b>Gene ID :</b>	3297
<b>Uniprot ID :</b>	Q00613
<b>Format :</b>	Purified
<b>Alternative Name :</b>	HSF-1,HSF1,HSTF-1,HSTF1,Heat shock factor protein 1,Heat shock transcription factor 1.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human HSF1 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human HSF1 amino acids 1-529 purified from E. coli.

#### Description

The transcription of heat-shock genes is rapidly induced after temperature stress in response to environmental changes, and it is also involved in oogenesis, spermatogenesis, and placental development. Hsp90, is a major repressor of HSF1 gene. HSF1 is known for its participation in heat shock response. HSF1 protein regulates the transcription of hundreds of targets, such as genes involved in protein folding, detoxification, energy generation, carbohydrate metabolism, and cell wall organization. HSF1 binds to MTA1 in vitro & in breast carcinoma. Suppression of estrogen-dependent transcription may contribute to role of HSF1 in cancer. Human cancer lines of diverse origins express higher dependence on HSF1 function to maintain proliferation and survival than their non-transformed counterparts. HSF1 induces anticoagulation and relaxation factors in vascular endothelial cells and could therefore be used to treat cardiovascular disease. HSF1 is directly involved in the regulation of HO1 havi

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	HSF1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, 0.02% Sodium Azide and 10% Glycerol.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

HSF1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000~ 2,000. Recommended starting dilution is 1:1,000.