

Mouse Monoclonal Antibody to HSP27

Catalogue Number	sAP-0563
Target Molecule	<p>Name: HSP27</p> <p>Aliases: CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; DKFZp586P1322; HSPB1</p> <p>MW: 27kDa</p> <p>Entrez Gene ID: 3315</p>
Description	<p>The protein encoded by this gene is induced by environmental stress and developmental changes. The encoded protein is involved in stress resistance and actin organization and translocates from the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot-Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). (provided by RefSeq) Tissue specificity: Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid. Highest levels are found in the heart and in tissues composed of striated and smooth muscle.</p>
Immunogen	Purified recombinant fragment of human HSP27 expressed in E. Coli. ;
Reactive Species	Human; Rat
Clone	MM5D7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Clin Cancer Res. 2008 Dec 15;14(24):8279-87. ; 2. Cell Signal. 2009 Jan;21(1):143-50.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**