

Product datasheet for **AM33370PU-S**

HSP27 (HSPB1) Mouse Monoclonal Antibody [Clone ID: G3.1]

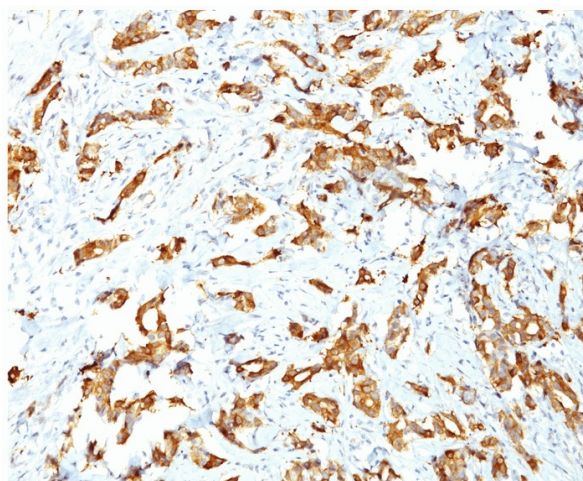
Product data:

Product Type:	Primary Antibodies
Clone Name:	G3.1
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use Antibody without BSA for Coating. Flow Cytometry: 0.5-1 µg/10 ⁶ cells. Immunofluorescence: 0.5-1 µg/ml. Western Blot: 0.5-1 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1 µg/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Positive Control: ~50% of Breast Carcinomas are positive for hsp27 especially those that are also positive for estrogen and/or progesterone receptor.
Reactivity:	Chimpanzee, Chicken, Human, Monkey, Mouse, Rat, Sheep
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Partially purified hsp27 (earlier called 24K) protein from breast cancer MCF-7 cells.
Specificity:	It recognizes a 24-27kDa estrogen-regulated protein, identified as heat shock protein 27 (hsp27). Hsp27 was recently found to be identical to the estrogen-induced "p29" and "24K" protein. About 50% of breast carcinomas are positive for hsp27 especially those that are also positive for estrogen and/or progesterone receptor. HSP27 has also been implicated in drug resistance in cancer cells. Cellular Localization: Predominantly cytoplasmic with some nuclear.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide

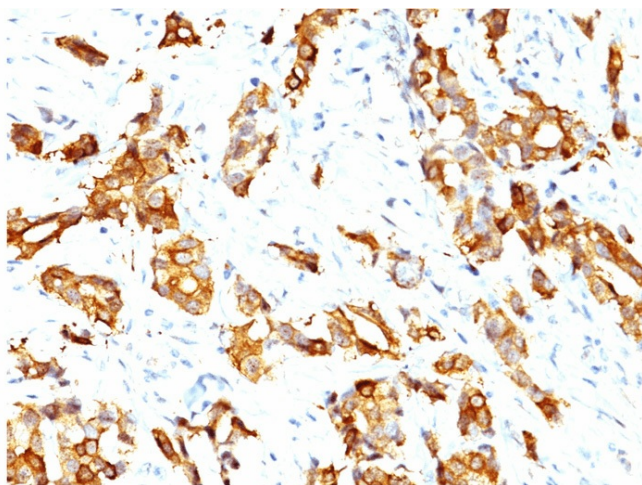


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Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	27 kDa
Gene Name:	heat shock protein family B (small) member 1
Database Link:	Entrez Gene 3315 Human P04792
Synonyms:	Heat shock protein beta-1, Heat shock 27 kDa protein, HSP28, 28 kDa heat shock protein, SRP27, HSP25

Product images:

Formalin-Paraffin breast carcinoma (10X) stained with HSP27 Antibody (Clone G3.1).



Formalin-Paraffin breast carcinoma (20X) stained with HSP27 Antibody (Clone G3.1).