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Anti-Hsp27 Mouse mAb [03E35]

Catalog No.: A33068

Basic Information

Catalog No. (Cat.No.)	A33068
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,ICC/IF,ELISA
Synonyms	Hsp27,HSP27,CMT2F,HMN2B,HMND3,HSP27,HSP28,Hsp25,SRP 27,HS.76067,HEL-S-102

Product Information

Target	Hsp27
Molecular Weight(Calculated)	27 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	03E35
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:2000
ICC/IF	1:100-1:500
ELISA	1:5000-1:20000

Target Information

Protein Name	Heat-shock-protein-27
Gene Name	*HSPB1*
Domain	Full length
Background	HSP27 (Heat shock protein 27) belongs to the small heat-shock protein (sHSP) family and resides mainly in cytoplasm, forming oligomeric complexes for chaperone activity. It binds denatured polypeptides and prevents irreversible protein aggregation to shield cells from heat shock, oxidative stress and cytotoxic insults. HSP27 participates in cytoskeleton remodeling and anti-apoptotic regulation to control cell survival and migration. Phosphorylation remodels its oligomer assembly and switches biological activities. Elevated HSP27 is frequently detected in multiple malignancies, correlating with metastasis and chemoresistance; it also contributes to inflammation and neuronal injury.