

**Mouse Anti-Heat Shock Protein (HSP27) [G3.1]: MC0154**

**Intended Use:** For Research Use Only

**Description:** HSP 27 also known as 24K estrogen-regulated protein or HSP 28 is a small heat shock protein that has been shown to correlate with the expression of estrogen-receptor. Immunohistochemical studies of HSP 27 has shown that it is localized mainly in the female reproductive tract and in ER and PR positive breast tumor cell lines. Increased levels of HSP 27 have been shown to correlate with the presence of ER and PR in human breast tumor biopsy samples.

**Specifications:**

Clone: G3.1  
Source: Mouse  
Isotype: IgG1  
Reactivity: Human  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC, IF  
Package:

Description	Catalog No.	Size
Heat Shock Protein (HSP27) Concentrated	MC0154	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Breast cancer  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.