

### 39-1043: Anti-HSP70 Monoclonal Antibody (Clone: BRM-22)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	BRM-22
<b>Application :</b>	WB,IHC-P,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Hspa1b
<b>Gene ID :</b>	15511
<b>Uniprot ID :</b>	P17879
<b>Alternative Name :</b>	Heat shock 70 kDa protein 1B; Heat shock 70 kDa protein 1; HSP70.1; Hspa1b; Hcp70.1, Hsp70-1, Hsp70a1, Hspa1
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	HSP70 isolated from bovine brain.

#### Description

Heat-shock proteins, or stress proteins, are expressed in response to heat shock and a variety of other stress stimuli including oxidative free radicals and toxic metal ions. Sargent et al. identified a duplicated HSP70 locus in the class III region of the major histocompatibility complex on 6p21.3. A duplicated locus encoding the major heat shock-induced protein HSP70 is located in the major histocompatibility complex(MHC) class III region 92 kilobases(kb) telomeric to the C2 gene. The 70-kd mammalian heat shock proteins are structurally and functionally related to the uncoating protein that releases clathrin triskelia from coated vesicles.

#### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

#### Application Note

Western blot : 0.5-1 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 µg/ml; Immunohistochemistry(Frozen Section) : 0.5-1 µg/ml