

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

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

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage condition :	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