Product datasheet

anti-HSP60 mouse monoclonal, HSP60-1, purified

Short overview

Cat. No.	691697
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	HSP60-1
Immunogen	Recombinant human HSPD1
Formulation	PBS with 0.02% sodium azide
UniprotID	P31081 (Bovine), Q5ZL72 (Chicken), P10809 (Human), A0A287ATN8 (Pig), P63039 (Rat), A0A6P7DQC9 (Sheep)
Synomym	60 kDa heat shock protein, mitochondrial, EC 5.6.1.7, 60 kDa chaperonin, Chaperonin 60, CPN60, Heat shock protein 60, HSP-60, Hsp60, HuCHA60, Mitochondrial matrix protein P1, P60 lymphocyte protein, HSPD1, HSP60
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC, WB
Reactivity	Bovine, Chicken, Dog, Hamster, Human, Monkey, Pig, Rabbit, Rat, Sheep

Applications

Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

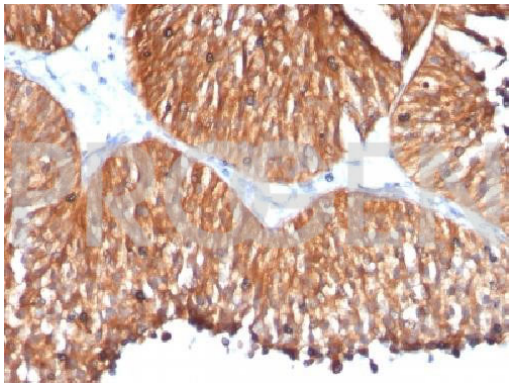
Background

HSP60-1 reacts with Heat Shock Protein 60 or HSPD1, found in mitochondria. A wide variety of environmental and pathophysiological stressful conditions trigger the synthesis of a family of proteins known as heat shock proteins (HSP's), more appropriately called as Stress Response Proteins (SRP's). HSP60 is a potential antigen in a number of autoimmune diseases. In human arthritis and in experimentally induced arthritis in animals, disease development coincides with the development of immune reactivity directed against not only bacterial HSP60, but also against its

mammalian.

Positive control: HeLa or HepG2 cells. Synovial biopsies from patients with juvenile chronic arthritis. Synovial lining layer is strongly positive for hsp60. Carcinomas.

Product images



Human bladder cancer