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36-1242: Monoclonal Antibody to HSP60 (Heat Shock Protein 60) (Mitochondrial Marker)(Clone: LK1)

Clonality: Monoclonal

Clone Name: LK1

Application: FACS,IF,WB,IHC

Reactivity: Human, Mouse, Rat, Hamster

 Gene :
 HSPD1

 Gene ID :
 3329

 Uniprot ID :
 P10809

 Format :
 Purified

Alternative Name: HSPD1,HSP60 Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant human HSP60 protein

Description

Recognizes a 60kDa protein, identified as the heat shock protein 60 (hsp60). Its epitope is localized between aa 383-447 of human hsp60. 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 homolog. Clone LK1, unlike LK2, recognizes only the mammalian (not bacterial) hsp60 and is useful in distinguishing hsp60 from mammals and bacteria.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

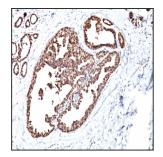
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Western Blot (0.25-0.5ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

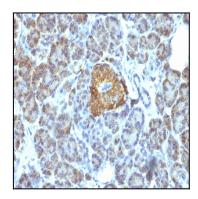


Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with HSP60 Monoclonal Antibody (LK1)



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Formalin-fixed, paraffin-embedded human Pancreas stained with HSP60 Monoclonal Antibody (LK1).