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32-5929: Mouse Anti Human GroEL (HSP60)(Clone:P2E4AT.)

Clonality :	Monoclonal
Clone Name :	P2E4AT.
Application :	ELISA,WB ,IHC
Gene :	HSPD1
Gene ID :	3329
Uniprot ID :	P10809
Format :	Purified
Alternative Name :	CPN60,GROEL,HSP60,HSP65,SPG13,CHA60,GROL,crpA,mopA,60 kDa heat shock protein mitochondrial,Heat shock protein 60,HSP-60,60 kDa chaperonin,Chaperonin 60,Mitochondrial matrix protein P1,P60 lymphocyte protein,HuCHA60,HSPD1.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human GroEL mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human GroEL amino acids 1-573 purified from E. coli.

Description

GroEL, HSP60 is a chaperonin located in the mitochondria which is responsible for the transportation & refolding of proteins from the cytoplasm directly into the mitochondrial matrix. GroEL is regulated by the HSP10 cochaperonin, which is a single heptameric protein ring having a molecular mass of 10 kDa which form a unique complex with HSP60. HSP10, GroES coordinates the ATPase activity of the HSP60 subunits in order to allow the release of bound polypeptide in a manner that is productive for its correct folding.

Product Info

Amount :	20 µg
Purification :	GroEL antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

GroEL antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:1,000 ~ 1:2,000 and immunohistochemistry analysis is 1:50~100. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:50.