Mitochondrial Marker Antibody

Mouse Monoclonal Antibody [Clone SPM198]

Catalog No	Format	Size
MSM1X-739-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM1X-739-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM1X-739-P1ABX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

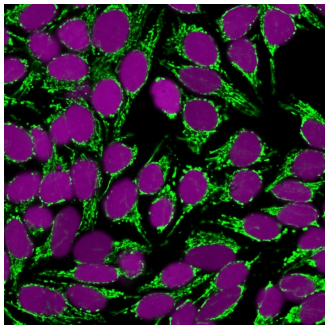
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

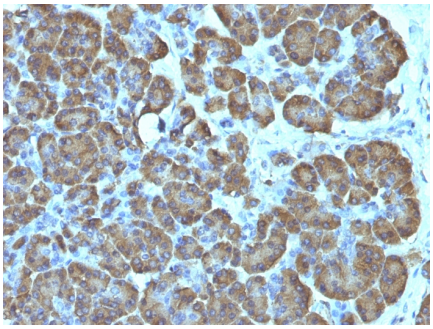
Clone	SPM198
Gene Name	N/A
Immunogen	Semi-Purified mitochondrial preparation
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	60kDa
Cellular Localization	N/A
Species Reactivity	Human
Positive Control	HeLa or HepG2 cells. Hepatic carcinoma.

**Optimal dilution for a specific application should be determined.*

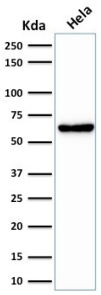
Product Images for Mitochondrial Marker Antibody



Confocal immunofluorescence image of HeLa cells using Mitochondria Mouse Monoclonal Antibody (SPM198) labeled in Green (CF488) and Reddot is used to label the nuclei purple.



Formalin-fixed, paraffin-embedded human Pancreas stained with Mitochondria Mouse Monoclonal Antibody (SPM198).



Western Blot Analysis of HeLa cell lysate using Mitochondria Mouse Monoclonal Antibody (SPM198).

Specificity & Comments

MAb 113-1 recognizes a 60kDa antigen associated with the mitochondria in human cells. It can be used to stain mitochondria in cell or tissue preparations and can be used as a mitochondrial marker in subcellular fractions. It produces a spaghetti-like pattern in normal and malignant cells. This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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