Mesothelial Cells (Mesothelioma Marker) Antibody

Mouse Monoclonal Antibody [Clone HBME-1]

Catalog No	Format	Size
MSM1-9708-CS1	Culture Supernatant	0.5 ml
MSM1-9708-CS0	Culture Supernatant	0.1 ml

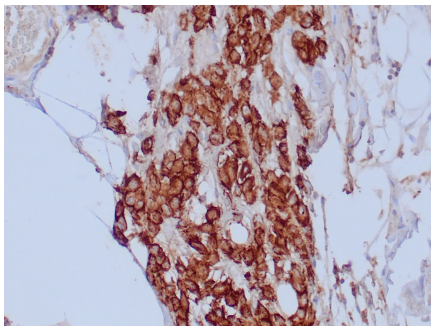
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1:100-1:200	
Immunohistochemistry (IHC)	1:100-1:200	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	HBME-1
Gene Name	N/A
Immunogen	BALB/C mice were injected with suspension of human mesothelioma cells from patients with malignant epithelial mesothelioma.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Mol. Weight of Antigen	Not Known
Cellular Localization	Cell membrane
Species Reactivity	Human
Positive Control	Mesothelial cells or mesothelioma.

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

Product Images for Mesothelial Cells (Mesothelioma Marker) Antibody



Formalin-fixed, paraffin-embedded human mesothelioma stained with Mesothelioma Mouse Monoclonal Antibody (HBME-1). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Mesothelioma, a form of cancer caused by previous exposure to asbestos, causes malignant cells to flourish within the mesothelium, a protective lining that covers most of the internal organs of the body. Mesothelioma is most commonly found in the pleura, but it may also occur in the pericardium or peritoneum. When asbestos fibers deposit in the parenchyma of the lung, they penetrate the visceral pleura, from where the fiber can then be carried to the pleural surface, leading to the development of malignant mesothelial plaques. Shortness of breath, cough and pain in the chest due to an accumulation of fluid in the pleural space are often symptoms of Mesothelioma, but may not appear until 20 to 50 years after an initial exposure to asbestos. Because Mesothelioma is a highly aggressive tumor that is generally deadly, treatments using conventional therapies are not successful, limiting patients to a median survival time of 6-12 months after presentation. Markers for Mesothelioma are useful in the study of function and behavior of this tissue. This antibody reacts with an unknown antigen on microvilli of mesothelioma cells. It stains normal mesothelial cells as well as epithelial mesotheliomas in a thick membrane pattern due to abundant lung microvilli on the surface of these cells.

Supplied As

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

Storage and Stability

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.