

Recombinant Mesothelial Cells Antibody

Mouse Monoclonal Antibody [Clone HBME-1]

Catalog No	Format	Size
MSM2-13137-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug
MSM2-13137-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM2-13137-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM2-13137-P1BX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

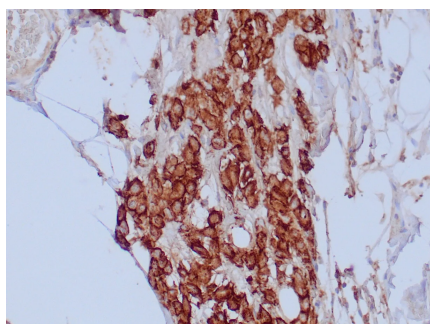
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	HBME-1
Immunogen	Human KAL cells derived from lymph node metastasis of malignant melanoma
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgM / Kappa
Species Reactivity	Human
Positive Control	Mesothelial cells or mesothelioma.

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

Product Images for Recombinant Mesothelial Cells 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.

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
