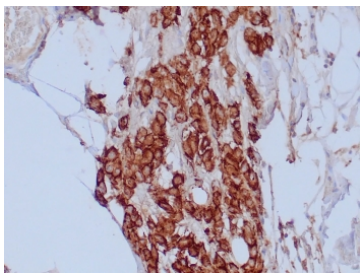
Mesothelial Cell Antibody [clone HBME-1] (V5833S)

Catalog No.	Formulation	Size
V5833S-0.5ML	Bioreactor concentrate with 0.05% sodium azide	0.5 ml
V5833S-0.1ML	Bioreactor concentrate with 0.05% sodium azide	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Bioreactor concentrate
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM, kappa
Clone Name	HBME-1
Localization	Cell membrane
Applications	Immunofluorescence : 1:100-1:200 Immunohistochemistry (FFPE) : 1:100-1:200
Limitations	This Mesothelial Cell antibody is available for research use only.



IHC staining of FFPE human mesothelioma tissue with Mesothelial Cell antibody (clone HBME-1). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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.

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.

Application Notes

Optimal dilution of the Mesothelial Cell antibody should be determined by the researcher.

Immunogen

Human mesothelioma cells from patients with malignant epithelial mesothelioma were used as the immunogen for the Mesothelial Cell antibody.

Storage

Aliquot the Mesothelial Cell antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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