

## HISTOPRIME<sup>®</sup>

**CatNo E071**

### Mesothelial cells

Lot: See Label  
Storage: +2 to +8 °C  
Exp. Date: See Label

### Monoclonal Antibody against Mesothelial cells

#### Specificity

In immunohistochemistry, the monoclonal antibody E071 stains mesothelial cells. It recognizes an antigen localized on the plasma membrane of mesothelial cells.

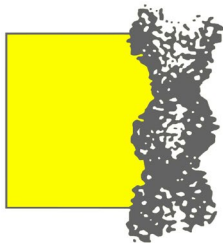
#### Contents

Reagents sufficient for about 50-100 tissue sections  
1 dropper bottle **HISTOPRIME<sup>®</sup> Mesothelial cells** (Bottle, 5 ml)

#### Application

This monoclonal antibody reacts with 17/19 epithelial mesotheliomas in a characteristic pattern of a thick appearing membrane. This staining pattern correlates well with the presence of many lung microvilli on the membrane surface of these cells.  
Although 19 of 50 adenocarcinomas of diverse origin also stain positive, their staining pattern is often cytoplasmic. In individual cases, a thinly stained membrane appears.

E071-230109-1/2



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### Characterization

<b>Antigen</b>	A suspension of human mesothelioma cells from patients with malignant epithelial mesothelioma
<b>Abnormal Tissues</b>	Mesothelioma
<b>Clone</b>	HBME-1
<b>Isotype</b>	Mouse IgM
<b>Pretreatment</b>	No proteolytic enzymes required
<b>Incubation Period</b>	1 hour by room temperature
<b>Application</b>	Ready-to-use in PBS, BSA, NaN <sub>3</sub> (0.09%) pH 7.4(*) suitable on cryostat sections and on formalin-fixed, paraffin-embedded tissue sections.
<b>Recommended Secondary Reagents</b>	<b>Alkaline Phosphatase</b> Vectastain <sup>®</sup> ABC Mouse IgM (Vector CatNo AK-5010) and Substrate-Kit e.g. Vector <sup>®</sup> Red (Vector CatNo SK-5100). <b>Peroxidase</b> Vectastain <sup>®</sup> ABC-Elite Mouse IgM (Vector CatNo PK-4010) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
<b>References</b>	

1. Miettinen M and Kovatich AJ. HMBE-1 a monoclonal antibody useful in the differential diagnosis of mesothelioma, adenocarcinoma, and softtissue and bone tumors. Appl Immunohistochem 1995; 3(2):115

**Differential identification is aided by the results from a panel of antibodies. Interpretation must be made within the context of the patient's clinical history and other diagnostics tests by a qualified pathologist.**

**(\*)Note**                      **E071 contains Sodium Azide; take adequate precautions!**

E071- E071-230109-2/2

**For Research use only. Not for use in diagnostic procedure**