

Code No. 10078

**Anti-Rat  
Hepatic Sinusoidal Endothelial Cells (SE-1) Mouse IgG MoAb**

Volume : 100ug

Lot No : 0H-102

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**Introduction** : Among the vascular endothelial cells, hepatic sinusoidal endothelial (HSE) cells are morphologically unique because they have open fenestrations in their cytoplasm and lack basal lamina. This unique structure is assumed to facilitate the exchange and transport of various substances between blood and hepatocytes through the space of Disse. It has been suggested that the formation of this structure is regulated by hepatocyte-related soluble factors or by the extracellular matrix.

The antibody was observed no crossreactivity with other types of endothelial cells or non-endothelial cells. By immunoelectron microscopy, the antigen recognized by the antibody was localized to the membrane surface of HSE. Immunoblot analysis revealed that the antibody recognized a single 45 KD band. The antibody may be a useful marker to study the role of HSE in various pathophysiological conditions of the liver.

**Antigen** : Rat Hepatic Sinusoidal Endothelial Cells**Source** : Mouse-Mouse hybridoma (X63-Ag8.653 Myeloma cells xBALB/c mouse spleen cells)**Clone** : SE-1**Subclass** : IgG<sub>2a</sub>**Purification** : Affinity Purified with protein A**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>**How to use** : 1 ml distilled water will be added to the product**Stability** : Lyophilized product, 5 years at 2 – 8  
: Solution, 2 years at –20**Application** : This antibody can be used for immunohistochemistry in concentration of about 5 µg/ml, and also can be used for western blotting in concentration of 1 ~ 5 µg/ml.**Reference** : 1. Ohmura T., Enomoto K., Satoh H., Sawada N., and Mori M. Establishment of a novel monoclonal antibody, SE-1, which specifically reacts with rat hepatic sinusoidal endothelial cells. *J. Histochem. & Cytochem.* **41** (8): 1253-1257, 1993

2. Ishiguro S., Arai S., Monden K., et al. Identification of thromboxane A2 receptor in hepatic sinusoidal endothelial cells and its role in endotoxin-induced liver injury in rats. *Hepatology* **20** (Nov.): 1281-1286, 1994

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