Product datasheet   MON1149

MONOSAN®

Rat anti-mouse PECAM-1/CD31, clone MEC7.46 (Monoclonal)
Clone no.   MEC7.46   MONOSAN

Product name	Rat anti-mouse PECAM-1/CD31, clone MEC7.46 (Monoclonal)
Host	Rat
Applications	IHC-fr, IHC-P, ELISA, FC, IF, IP
Species reactivity	mouse
Conjugate	-
Immunogen	Unknown or proprietery to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	MEC7.46
Size	1 ml
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Additional info

The monoclonal antibody MEC7.46 recognizes the mouse form of the platelet-endothelial cell adhesion molecule (PECAM)-1 (CD31). PECAM-1 is a member of the immunoglobulin superfamily. This heavily glycosylated protein is found in the entire vascular endothelium of adult mice and functions in mediating cellular adhesion by heterophilic and homophilic mechanisms. PECAM-1 is detected within the lymphopoietic islands in the spleen of newborn (day 12) and in the bone marrow of adult mice. Capillary endothelial cells of adult mice also express PECAM-1.
  The reactivity of the monoclonal antibody MEC7.46 is restricted to the isoform of the molecule that is selectively expressed by endothelial cells. The antibody precipitates a 130 kDa molecule present on the membrane of endothelial cells of all mouse blood vessels both in normal, inflamed and tumor tissues. The antigen is predominantly present at the lateral borders of endothelial cells as described for human PECAM-1. Staining of MEC7.46 can be seen on capillaries, veins, arteries and liver sinusoids.

References

1.   Vecchi et al. Eur J Cell Biol 1994;63:247
2   Kusters et al. Cancer Res 2002;62:341
3.   Xu et al. Cir Res 2003;93:e76
4.   Smetsers et al. Cancer Res 2003;63:2965
5.   -

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