

## Mouse anti-Endothelium, clone EN4 (Monoclonal)

Clone no. EN4

MONOSAN

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Product name	Mouse anti-Endothelium, clone EN4 (Monoclonal)
Host	Mouse
Applications	IHC-P, IHC-fr, FC
Species reactivity	human, cat, guinea pig
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	EN4
Size	1 ml
Concentration	100 ug/ml
Format	liquid
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

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**Additional info**

This antibody stains all human blood vessels including brain microvessels. Both large and small vessels are equally reactive. The EN4 antigen is preserved in endothelial cells in culture unlike the PAL-E antigen which is lost. It stains strongly murine fibroblasts transfected with the human CD31 gene. On surface-iodinated Jurkat T cells it recognizes the 130 kD CD31 antigen. EN4 also binds to guinea-pig and cat endothelium, but not to rabbit, bovine, sheep, dog, rat or mice endothelial cells. No other structures in the skin, heart, kidney, tonsils or spleen are stained with this antibody.

**References**

1. Cui et al. Immunology 1983;49:183
2. Holden et al. J Immunol Meth 1986;91:45
3. Jones et al. J Clin Path 1986;39:742
4. Burgio et al. Clin Exp Immunol 1994;96:170-176
5. -

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