



Product Information

Anti-EndoGlyx-1

Developed in Rabbit
Affinity Isolated Antibody

Product Number **E 2030**

Product Description

Anti-EndoGlyx-1 is developed in rabbit using as immunogen a synthetic peptide corresponding to amino acid residues 92-106 of human EndoGlyx-1 conjugated to maleimide-activated KLH. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-EndoGlyx-1 recognizes human EndoGlyx-1 by immunohistochemistry and immunofluorescence. Detection of EndoGlyx-1 in cultured cells by immunofluorescence is specifically inhibited by the immunizing peptide.

EndoGlyx-1 is a glycoprotein complex (~500 kDa) expressed on normal human blood vessel endothelial cells but not other cells of mesenchymal, neuroectodermal, and epithelial derivation.^{1, 2} Fetal and some neoplastic endothelial cells express EndoGlyx-1. EndoGlyx-1 is not found in sinusoidal endothelial cells of the spleen and liver. Its expression is not affected after cytokine stimulation.

EndoGlyx-1 (also designated PEM87 and EMI-3) is an EMILIN-like protein composed of a signal sequence, an N-terminal EMI domain, a C-terminal C1q-like domain, separated from each other by a central coiled-coil-rich region. Four EndoGlyx-1 subunits (p125, p140, p110, and p200) are exposed on the endothelial cell surface.²

Reagent

Anti-EndoGlyx-1 is supplied as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 15 mM sodium azide.

Antibody Concentration: Approx. 1 mg/ml

Precautions and Disclaimer

Due to the sodium azide content, a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For prolonged storage, freeze in working aliquots at -20 °C. Repeated freezing and thawing is not recommended. Storage in frost-free freezers is also not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

Product Profile

By immunohistochemistry, a working antibody concentration of 15-30 µg/ml is recommended using cultured human vascular endothelial umbilical vein cells (HUVEC).

By indirect immunofluorescence, a working antibody concentration of 15-30 µg/ml is recommended using human placenta or tongue frozen sections.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining optimal working dilutions by titration.

References

1. Sanz-Moncasi, M.P., et al., *Lab. Invest.*, **71**, 366-373 (1994).
2. Christian, S., et al., *J. Biol. Chem.*, **276**, 48588-48595 (2001).

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