

Product Information

Monoclonal Anti-Multimerin-2 antibody produced in mouse clone MM-5, purified from hybridoma cell culture

Product Number **SAB4200675**

Product Description

Monoclonal Anti-Multimerin-2 (mouse IgG1 isotype) is derived from the hybridoma MM-5 produced by the fusion of mouse myeloma cells and splenocytes from BALB/c mice immunized with an N-terminal His-tagged recombinant protein of human Multimerin-2 (GeneID: 79812). The isotype is determined by ELISA using Mouse Monoclonal Antibody Isotyping Reagents, Product Number ISO2. The antibody is purified from cell culture supernatant of hybridoma cells.

Monoclonal Anti-Multimerin-2 recognizes human Multimerin-2. The antibody may be used in various immunochemical techniques including Immunoblotting (~104kDa) and Immunofluorescence. Detection of the Multimerin-2 band by Immunoblotting is specifically inhibited by the immunogen.

Multimerin-2 (MMRN2) also known as Elastin microfibril interface located protein 3 (EMILIN3) or EndoGlyx-1, belongs to the elastin microfibril interface-located (EMILIN) family. EMILIN glycoproteins are expressed in the extracellular matrix (ECM) and contribute to several cellular functions including control of arterial blood pressure, promotion of cell death, proangiogenic function and platelet hemostasis.¹ In addition, multimerin-2 negatively regulates the angiogenesis regulators VEGFR1 and VEGFR2. Taken together MMRN2 is plays a role in the maintenance of blood vessels homeostasis, regulation of endothelial cell (EC) function, neo-angiogenesis and hence tumor growth arrest.¹⁻⁵

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~ 1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

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

Product Profile

Immunoblotting: a working concentration of 5-10 µg/mL is recommended using whole extract of human HepG2 cells.

Immunofluorescence: a working concentration of 2-5 µg/mL is recommended using human HeLa cells.

Note: In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test.

References

1. Colombatti A., et al., *Front Immunol.*, **2**, 93 (2011).
2. Lorenzon E., et al., *Oncogene.*, **31**, 3136-47 (2012).
3. Colombatti A., et al., *Matrix Biol.*, **19**, 289-301 (2000).
4. Zanivan S., et al., *Mol Cell Proteomics.*, **12**, 3599-611 (2013).
5. Sanz-Moncasi MP., et al., *Lab Invest.*, **71**, 366-73 (1994).

DR_LV/GG, AI,PHC 04/16-1