

Code No. 019-27453 (50 μ L)**Anti CTGF Module 4, Monoclonal Antibody (4-69)**
抗 CTGF モジュール 4, モノクローナル抗体 (4-69)**[Background]**

CTGF (also known as CCN2) is approximately 36 ~ 38 kDa secreted protein that is produced by umbilical vein and vascular endothelial cell and involved in growth and differentiation of cartilage cell, intercellular adhesion. It is consisted of Module 1-4. Module 1 is called as IGF binding domain, Module 2 as VWC domain, Module 3 as TSP-1 domain, Module 4 as CT domain, and different factor binds each domains^{1) 2)}.

This item is a mouse monoclonal antibody established by DNA immunization, specifically reacts with Module 4 of native form CTGF³⁾.

[Description]

[Reactivity]	Reacts with CTGF Module 4
[Antigen]	Human CTGF (native structure)
[Epitope]	CTGF Module 4
[Species cross reactivity]	Human, Mouse (other species are not tested)
[Clone No.]	4-69
[Host]	Mouse
[Isotope]	IgG1
[Purification]	Purified from ascites by using Protein G
[Concentration]	Indicated on the label
[Formulation]	PBS

[Applications]

Neutralization 5 μ g/mL (in vitro)

Optimal concentration should be determined by each laboratory for each application.

[Storage]

Store at -20°C.

Avoid repeated freeze and thaw.

[Package]

Code No.	Packaging
019-27453	50 μ L

[References]

- 1) Klaassen, I. *et al.* : *Exp. Eye Res.*, **133**, 37 (2015).
- 2) Ikawa, Y. *et al.* : *J. Cell. Physiol.*, **216** (3), 680 (2008).
- 3) Miyashita, T. *et al.* : *Autoimmunity*, **49** (2), 109 (2016).

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