

**FUJIFILM****Wako**Code No. 013-27451 (10  $\mu$ L)  
019-27453 (50  $\mu$ 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<sup>1)2)</sup>.

This item is a mouse monoclonal antibody established by DNA immunization, specifically reacts with Module 4 of native form CTGF<sup>3)</sup>.

**Description**

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

**Applications**Neutralization 5  $\mu$ 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
013-27451	10 $\mu$ L
019-27453	50 $\mu$ L

**References**

- 1) Klaassen, I., *et al.* : Experimental Eye Research **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).

**FUJIFILM Wako Pure Chemical Corporation**

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan  
Telephone : + 81-6-6203-3741  
Facsimile : + 81-6-6201-5964  
<http://www.wako-chem.co.jp>

**FUJIFILM Wako Chemicals U.S.A. Corporation**

1600 Bellwood Road  
Richmond, VA 23237  
U.S.A.  
Telephone : + 1-804-271-7677  
Facsimile : + 1-804-271-7791  
<http://www.wakousa.com>

**FUJIFILM Wako Chemicals Europe GmbH**

Fuggerstrasse 12  
D-41468 Neuss  
Germany  
Telephone : + 49-2131-311-0  
Facsimile : + 49-2131-311100  
<http://www.wako-chemicals.de>