

**FUJIFILM****Wako**Code No. 012-27421 (10  $\mu$ L)  
018-27423 (50  $\mu$ L)**Anti CTGF Module1, Monoclonal Antibody (30D2)**  
**抗CTGF モジュール1, モノクローナル抗体(30D2)****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 1 of native form CTGF <sup>3)4)5)</sup>.

**Description**

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| <b>[Reactivity]</b>               | Reacts with CTGF Module 1                   |
| <b>[Antigen]</b>                  | Human CTGF (native structure)               |
| <b>[Epitope]</b>                  | CTGF Module 1                               |
| <b>[Species cross reactivity]</b> | Human, Mouse (other species are not tested) |
| <b>[Clone No.]</b>                | 30D2                                        |
| <b>[Host]</b>                     | Mouse                                       |
| <b>[Isotype]</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 | 15 $\mu$ g/mL (in vitro), 10 mg/kg (in vivo) |
| ELISA          | 5 $\mu$ g/mL                                 |

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  |
|-----------|------------|
| 012-27421 | 10 $\mu$ L |
| 018-27423 | 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) Nozawa, K., *et al.* : Arthritis Rheum., **65**, 6, 1477 (2013).
- 4) Miyashita, T., *et al.* : Autoimmunity, **49**, 2,109 (2016).
- 5) Miyazaki O, *et al.* : Ann. Clin. Biochem., **47**, 205 (2010).

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