



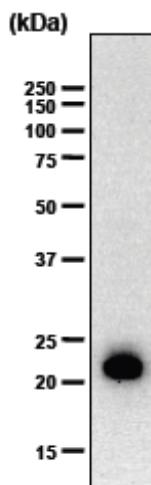
**Catalog No. TCS-002**

## Anti Chondromodulin, clone hCHM-02

<b>Host animal</b>	Mouse
<b>Immunogen</b>	Recombinant human chondromodulin-I
<b>Purity</b>	Affinity purified
<b>Concentration</b>	1.0 mg/ml
<b>Isotype</b>	IgG1
<b>Volume</b>	100 ul
<b>Formulation</b>	PBS (pH7.4)
<b>Cross Reactivity</b>	Human specific
<b>Application</b>	<ul style="list-style-type: none"><li>▪ Immunoprecipitation</li><li>▪ Western blotting</li><li>▪ Immunohistochemistry</li></ul>

Optimal dilutions/concentrations should be determined by the end user.

### Western blot analysis



Recombinant human ChM-1 (5 ng) was subjected to Western blot analysis using hChM-2 antibody at 1000-fold dilution.



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**Storage**

Store below -20°C (below -70°C for prolonged storage).

Aliquot to avoid cycles of freeze/thaw.

**Reference**

- 1) Hiraki Y. et al. Identification of Chondromodulin I as a novel endothelial cell growth inhibitor. *J.Biol.Chem.* 271, 22657-62 (1996).
- 2) Hiraki Y. et al. Molecular cloning of human chondromodulin-I , a cartilage derived growth modulating factor, and its expression in Chinese hamster ovary cells. *Eur. J.Biochem.* 260, 869-78 (1999).
- 3) Nakamichi Y. et al. Chondromodulin-I is a bone remodeling factor *Mol.Cell.Biol.* 23, 636-44 (2003).
- 4) Yoshioka Y. et al. Chondromodulin-I maintains cardiac valvular function by preventing angiogenesis. *Nature Med.* 12, 1151-59 (2006).
- 5) Miura S. et al. Impairment of VEGF-A-stimulated lamellipodial extensions and motility of vascular endothelial cells by chondromodulin-1, a cartilage-derived angiogenesis inhibitor. *Exp.Cell.Res.* 316, 775-788 (2010)

*For research use only. Not for clinical diagnosis.*



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