



# **IMMUNOLOGICAL SCIENCES**

## **Product Data Sheet**

MAB-10199

### **Purified Monoclonal Antibody to Human type I Collagen (hCL(I))**

**QUANTITY:** 100 µg

**HOST/ISOTYPE:** IgG2ak

**CLONE:** I-8H5

**CONCENTRATION:** 500 µg/mL

**SPECIFICITY:** Both native and heat denatured human collagen type I; cross react with Rabbit

**APPLICATIONS:** Western Blotting: 4 µg/ml  
Frozen Section: 1-10 µg/ml  
*Optimal working dilutions must be determined by the end user.*

**FORMAT:** Immunoglobulin purified from ascites by ammonium sulfate precipitation and chromatography on DEAE-cellulose.

**STORAGE/HANDLING:** Store at -20° C for up to 12 months. Avoid repeated freeze/thaw cycles. Remove any insoluble precipitate by centrifugation prior to use.

**REFERENCES:**

- 1) Mayne, R. et al. Isolation and partial characterization of basement membrane-link collagens from bovine thoracic aorta. *Artery*, 7, 262-280, 1980.
- 2) Muragaki, Y. et al. Experimental study on alteration of collagen metabolism in liver fibrosis. *J. Wakawama Med. Soc.*, 36, 195-208, 1985 (In Japanese).
- 3) Van der Loos, C. M. et al. Quantification in immunohistochemistry: the measurement of the ratios of collagen types I and III.
- 4) Kumagai, J. et al. Immunohistochemical distribution of type I, II and III collagens in the rabbit supraspinatus tendon insertion. *J. Anat.*, 185, 279-284, 1994.
- 5) Marjjanowski, M. M. H. et al. Dilated cardiomyopathy is associated with an increase in the type I/type III collagen ratio: A quantitative assessment. *J. Am. College Cardiol.*, 25, 1263-1272, 1995.

**For Research use only, not for use as a diagnostic**

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