



Mouse (monoclonal) Anti-Human Aggrecan (Proteoglycan; PG) PRODUCT ANALYSIS SHEET

Catalog Number:	AHP0012
Lot Number:	See product label
Expiration Date:	See product label
Quantity/Volume :	0.5 mg/0.5 mL
Clone Numbers:	1R11 14A6
Isotypes:	IgG1
Form of Antibody:	Purified immunoglobulin in phosphate buffered saline, pH 7.2
Preservation:	0.05% sodium azide (Caution: sodium azide is a poisonous and hazardous substance. Handle with care and dispose of properly.)
Purity:	>95% pure, determined by SDS-PAGE analysis.
Immunogen:	Human natural aggrecan (proteoglycan), purified from human articular cartilage.
Myeloma/Fusion Partners:	BALB/c mouse splenocytes were fused with SP2/0 mouse myeloma cells.
Specificity:	Recognizes natural human aggrecan. The epitopes recognized by this antibody are keratin sulfate (KS) residues.
Applications:	This antibody is suitable for use in immunohistochemistry, Western blotting and as a capture antibody in ELISA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	Store at 2-8°C.
References:	<p>Almqvist, K.F., et al. (2001) Culture of chondrocytes in alginate surrounded by fibrin gel: characteristics of the cells over a period of eight weeks. <i>Ann. Rheum. Dis.</i> 60(8):781-790.</p> <p>Guerne, P.A., et al. (1999) Effects of IL-6 and its soluble receptor on proteoglycan synthesis and NO release by human articular chondrocytes: comparison with IL-1. Modulation by dexamethasone. <i>Matrix Biology</i> 18:253-260.</p> <p>Wang, J., et al. (2003) Insulin-like growth factor 1-induced interleukin-1 receptor II overrides the activity of interleukin-1 and controls the homeostasis of the extracellular matrix of cartilage. <i>Arthritis Rheum.</i> 48(5):1281-1291.</p>

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References (cont'd):

Wang, J., et al. (2003) Physiological levels of hydrocortisone maintain an optimal chondrocyte extracellular matrix metabolism Ann. Rheum. Dis. In Press.

Wang, J., et al. (2003) Homeostasis of the extracellular matrix of normal and osteoarthritic human articular cartilage chondrocytes in vitro. Osteoarthritis Cartilage In Press.

Wang, L., et al. (2001) Flow cytometric analysis of the human articular chondrocyte phenotype in vitro. Osteoarthritis Cartilage 9(1):73-84.

Wang L., et al. (2002) Influence of polysulphated polysaccharides and hydrocortisone on the extracellular matrix metabolism of human articular chondrocytes in vitro. Clin. Exp. Rheumatol. 20(5):669-676.

Wang, L., et al. (2002) Evaluation of chondrocyte cell-associated matrix metabolism by flow cytometry. Osteoarthritis Cartilage 9(5):454-462.

Wang, L., et al. (2002) Control of extracellular matrix homeostasis of normal cartilage by a TGFbeta autocrine pathway. Validation of flow cytometry as a tool to study chondrocyte metabolism in vitro. Osteoarthritis Cartilage 10(3):188-198.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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