

Data Sheet

HUMAN AGGRECAN

ANTIBODY, MONOCLONAL

Catalog no.:	AH1006.1 / AH1006.2
Immunogen:	Purified human aggrecan
Host:	Mouse Balb/c
Clone no.:	4G4/A10
Isotype:	IgG_{1kappa}
Matrix:	Cell culture supernatant, Protein G purified, 50 mM TRIS pH 7.4
Specificity:	Aggrecan is the major proteoglycan of human articular cartilage. The core protein is substituted by a number of keratan sulfate and chondroitin sulfate glycosaminoglycan chains. Monoclonal Ab 4G4/A10 is specific for a core protein epitope of human articular cartilage. Therefore, in addition to applications in immunochemistry and immunohistochemistry, the mAb 4G4/ A10 can be used for the detection of aggrecan core protein fragments released during human inflammatory or degenerative joint diseases into synovial fluid and serum.
Contents:	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
Known applications:	ELISA (less than 1µg/ml)[1], Western Blot (1µg/ml), immunohistochemistry (1µg/ml) This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1. Fischer DC, Kolbe-Busch S, Stöcker G, Hoffmann A, Haubeck HD (1994): Development of enzyme immuno assays specific for keratan sulfate- and core-protein-epitopes of the large aggregating proteoglycan from human articular cartilage. *Eur J Clin Chem Clin Biochem* **32**: 285-91.
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