



## Data Sheet

# HUMAN AGGREGAN

## ANTIBODY, MONOCLONAL

<b>Catalog no.:</b>	AH1006.1 / AH1006.2
<b>Immunogen:</b>	Purified human aggrecan
<b>Host:</b>	Mouse Balb/c
<b>Clone no.:</b>	4G4/A10
<b>Isotype:</b>	IgG <sub>1kappa</sub>
<b>Matrix:</b>	Cell culture supernatant, Protein G purified, 50 mM TRIS pH 7.4
<b>Specificity:</b>	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.
<b>Contents:</b>	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
<b>Known applications:</b>	ELISA (less than 1µg/ml) <sup>1</sup> , 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.
<b>Store at:</b>	2-8 °C (lyophilized); - 20 °C (dissolved)  Repeated thawing and freezing must be avoided
<b>References:</b>	1. Fischer DC, Kolbe-Busch S, Stöcker G, Hoffmann A, Haubeck HD (1994): Development of enzyme immunoassays specific for keratan sulphate- and core-protein-epitopes of the large aggregating proteoglycan from human articular cartilage. <i>Eur J Clin Chem Clin Biochem</i> <b>32</b> : 285-91.
<b>Last updated on:</b>	22 April 2022

### For research use only

**Publishing research using AH1006? Please let us know so that we can cite your publication as a reference.**

