

Product datasheet for **AM20230PU-N**

Aggrecan Mouse Monoclonal Antibody [Clone ID: 4G4/A10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4G4/A10
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: Less than 1 µg/ml (Ref.1) Western Blot: 1 µg/ml Immunohistochemistry: 1 µg/ml
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human Aggrecan
Specificity:	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 4G4/A10 monoclonal antibody can be used for the detection of aggrecan core protein fragments released during Human inflammatory or degenerative joint diseases into synovial fluid and serum.
Formulation:	50 mM TRIS pH 7.4 without preservatives State: Purified State: Lyophilized purified Cell Culture Supernatant
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aggrecan



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Database Link: [Entrez Gene 176 Human P16112](#)

Background: 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.

Synonyms: ACAN, AGC1, CSPG1, MSK16