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Product datasheet for AM02110PU-S

Keratan-Sulfate Mouse Monoclonal Antibody [Clone ID: 4B3/D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4B3/D10
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA** (less than 1 µg/ml). **Western blot** (1 µg/ml). Immunohistochemistry (1 µg/ml).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human Aggrecan
Specificity:	This Monoclonal 4B3/D10 antibody is specific for Keratan Sulfate Glycosaminoglycan chains. Preliminary results, based on western blot analysis of keratan sulfate from different sources, indicate that mAb 4B3/10 is specific for keratan sulfate from articular cartilage and shows only minimal if any cross-reac-tivity with keratan sulfate from intervertebral disc. This is in contrast to the epitope recognized by the known mAb 5D4, that recognizes a widely distributed keratan sulfate epitope. Therefore, in addition to appliations in Immunochemistry and Immunohistochemistry, the mAb 4B3/D10 is well suited for detecting keratan sulfate fragments released during human inflammatory or degenerative joint diseases into synovial fluid and serum.
Formulation:	50 mM TRIS pH 7,4 State: Purified State: Lyophilized purified IgG fraction from Cell Culture Supernatant
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein G Chromatography
Conjugation:	Unconjugated

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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.

Background: Aggrecan is the major proteoglycan of human articular car-tilage. The core protein is substituted by a number of keratan sulfate and chondroitin sulfate glycosaminoglycan chains. Whereas chondroitin sulfate is widely distributed throughout the body, keratan sulfate is primarily expressed in cartilage (joints, trachea, intervertebral discs) and cornea.