Datasheet for ABIN870831

anti-Keratan Sulfate antibody

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Overview

Quantity:	100 µg
Target:	Keratan Sulfate (KS)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratan Sulfate antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Clone:	4B3-D10
Isotype:	IgG1 kappa
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. Whereas chondroitin sulfate is widely distributed throughout the body, keratan sulfate is primarily expressed in cartilage (joints, trachea, intervertebral discs) and cornea. Monoclonal Ab 4B3/D10 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 crossreactivity with keratan sulfate from intervertebral disc. This is in contrast to the epitope recognized by the known mAb 5D4, which recognizes a widely distributed keratan sulfate epitope. Therefore, in addition to immunohistochemistry, the mAb 4B3 / D10 is well suited for detecting keratan sulfate fragments released during human inflammatory or degenerative joint diseases into

Product Details

	synovial fluid and serum.
Purification:	Purified human aggrecan. Protein G purified.

Target Details

Target:	Keratan Sulfate (KS)
Alternative Name:	Keratan-Sulfate (KS Products)

Application Details

Application Notes:	ELISA (less than 1µg/ml), 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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Resuspend in aqua bidest.
Buffer:	50 mM TRIS pH 7.4
Storage:	4 °C