

Datasheet for ABIN5541885
anti-Keratan Sulfate antibody



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Overview

Quantity:	0.1 mg
Target:	Keratan Sulfate (KS)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratan Sulfate antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Purified Human Aggrecan
Clone:	4B3-D10
Isotype:	IgG1
Specificity:	<p>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-reactivity 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 applications 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. Species: Human.</p>

Product Details

Purification: Protein G Chromatography

Target Details

Target: Keratan Sulfate (KS)

Alternative Name: keratan-sulfate ([KS Products](#))

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. Whereas chondroitin sulfate is widely distributed throughout the body, keratan sulfate is primarily expressed in cartilage (joints, trachea, intervertebral discs) and cornea.

Application Details

Application Notes: ELISA (less than 1 µg/mL). Western blot (1 µg/mL). Immunohistochemistry (1 µg/mL).

Restrictions: For Research Use only

Handling

Buffer: 50 mM TRIS pH 7,4

Storage: 4 °C, -20 °C

Storage Comment: 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. Shelf life: one year from despatch.

Expiry Date: 12 months