

Monoclonal Antibody to Keratan Sulfate (KS)

Catalog Number 1042010

For research use only

INTRODUCTION	Keratan Sulfate (KS) is sulfated glycosaminoglycan (GAG) component of proteoglycans found in cornea (KS type I), cartilage, intervertebral disk and other musculoskeletal tissues (KS type II). The KS chains are attached to the core proteins of many matrix proteoglycans eg lumican, keratocan, aggrecan etc. This monoclonal antibody has been raised against skeletal KS type II in human aggrecan. In addition to recognising skeletal KS type II epitopes it recognises corneal KS type I.
IMMUNOGEN	Keratan sulfate from skeletal KS type II in human aggrecan
CLONE	5D4
ISOTYPE	IgG
HOST	Mouse
PURITY	Affinity purified
SPECIFICITY	Highly sulfated keratan sulfate glycosaminoglycan chains in both Type I and Type II KS. (see Caterson et al 1983 and Mehmet et al 1986)
APPLICATIONS	<ul style="list-style-type: none">• ELISA (see Thonar et al 1985)• Western Blot (see Rees et al 2000)• Immunohistochemistry (see Young et al 2007a & 2007b and Hayes et al 2007 & 2008)
TECHNICAL NOTES	No enzyme pretreatment required.
STORAGE BUFFER	PBS, no preservatives

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FORM

Clear Liquid

CONCENTRATION

See vial label for concentration

STORAGE

Store at -20°C. Avoid freeze/thaw cycles. Check label for expiry date.

REFERENCES

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