



Anti-Chondroitin Sulphate monoclonal antibody, clone DT-67 (DCABY-028)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody reacts specifically with Chondroitin sulphate types A and C (not B, dermatan sulphate). It gives positive staining in bovine mammary gland epithelial cells, and also in human, chicken, and mouse fibroblast or tissues.
Immunogen	Ventral membranes of chicken gizzard fibroblasts.
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Chicken, Bovine, Human, Mouse
Clone	DT-67
Conjugate	Unconjugated
Applications	Immunohistology-Frozen, Immunofluorescence
Format	Ascitic Fluid - raw
Size	100 µl
Preservative	None
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

BACKGROUND

Introduction

Chondroitin sulfate is a sulfated glycosaminoglycan (GAG) composed of a chain of alternating sugars (N-acetylgalactosamine and glucuronic acid). It is usually found attached to proteins as part of a proteoglycan. A chondroitin chain can have over 100 individual sugars, each of which can be sulfated in variable positions and quantities. Chondroitin sulfate is an important structural component of cartilage and provides much of its resistance to compression. Along with glucosamine, chondroitin sulfate has become a widely used dietary supplement for treatment of osteoarthritis.

Keywords

CSPG

GENE INFORMATION

References

1. Avnur, Z. et al (1985) Spatial interrelationships between proteoglycans and extracellular matrix proteins in cell cultures. *Exp Cell Res.* 158:321-32.
2. Avnur, Z. et al (1984) Immunocytochemical Localization of Native Chondroitin-Sulphate in Tissues and Cultured Cells Using Specific Monoclonal Antibody. *Cell* 38: 811-822.