



Monoclonal Anti-Chondroitin-4-Sulfate

Code: 270421

Lot. : 03X01

Size: 0.2mg/vial

Description

Clone	LY111
Isotype	Mouse IgM, κ-chain
Physical state	Liquid
Buffer	Phosphate buffered-saline (-) (PBS(-))
Stabilizer	None
Preservative	0.02% sodium azide
Purification	Purified by Cellulofine GCL-2000-sf gel filtration
Concentration	1.0mg/mL (Immunoglobulin fractions)
Package size	200µL/vial

Immunogen	Chicken type IX collagen containing chondroitin-4-sulfate
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Specificity:

Recognition;	Chondroitin-4-sulfate
Localization;	Variety of established and fresh normal cells derived from not only chicken but also other species such as human, bovine and rat.
Comment;	<p>This antibody was one of the monoclonal antibodies produced against chick embryo cartilage proteoglycan Lt(PG-Lt), which recognized intact chondroitin sulfate chains. This antibody(IgM) reacted with PG-Lt, chick embryo cartilage proteoglycan (PG-H and PG-Lb), chick embryo limb bud proteoglycan (PG-M), bovine nasal cartilage proteoglycan, and Swarm rat chondrosarcoma proteoglycan. The reactivity of these Proteoglycans with LY111 was completely abolished after chondroitinase ABC digestion. ^{reference 1)}</p> <p>No-cross-react with hyaluronic acid, chondroitin, heparin, dermatan sulfate, heparan sulfate and keratan sulfate, but cross-react with dermatan sulfate proteoglycan containing chondroitin sulfate.</p>

Recommend Applications: the exact dilution must be determined by the researcher.

Immunohistochemistry	Paraffin section; 1: 50-100 Frozen section ; available
ELISA	1:500-1,000
Immunodot	1:1,000
Immunoprecipitation	Available

Storage: Stored at 4°C until opened. Diluted material should be used within a week.
Avoid repeated freezing and thawing.

References:

1) Yada, T. et al.: *J. Biol. Chem.*, **267**, 9391-9397 (1992)

Note: For *in vitro* research use only, not for diagnostic or therapeutic use. This product is not medical device.
This product is warranted for a period of one year after date of receipt when storage and usage conditions are adhered to as described on the package insert.

UK & Rest of World

184 Milton Park, Abingdon
OX14 4SE, Oxon, UK
Tel: +44 (0) 1235 828 200
Fax: +44 (0) 1235 820 482

Switzerland

Centro Nord-Sud 2E
CH-6934 Bioggio-Lugano
Tel: +41 (0) 91 604 55 22
Fax: +41 (0) 91 605 17 85

Deutschland

Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
Tel: +49 (0) 69 779099
Fax: +49 (0) 69 13376880

United States

23591 El Toro Rd, Suite #167
Lake Forest, CA 92630
Tel: + 1 800 987 0985
Fax: + 1 949 265 7703