



Decorin; Clone DCN/3523 (Concentrate)

Availability/Contents:	<u>Item #</u>	<u>Volume</u>
	RA0629-C.1	0.1 ml
	RA0629-C.5	0.5 ml
	RA0629-C1	1 ml

Description:

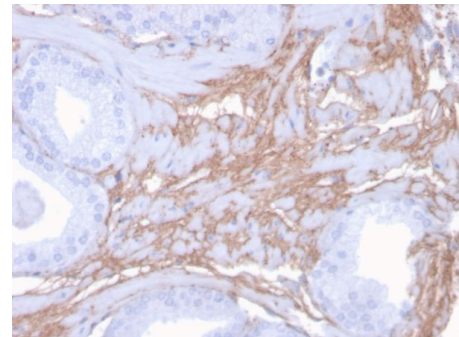
Species:	Mouse
Immunogen:	Recombinant human Decorin protein fragment (aa212-336) (exact sequence is proprietary)
Clone:	DCN/3523
Isotype:	IgG2b / Kappa
Entrez Gene ID:	1634
Hu Chromosome Loc.:	12q21.3
Synonyms:	Decorin, Bone proteoglycan II, PG-S2, PG40, Bone proteoglycan II; CSCD; Dermatan sulphate proteoglycans II (DSPG2); PG40; PGII; PGS2; Proteoglycan core protein; SLRR1B; Small leucine rich protein 1B
Mol. Weight of Antigen:	43kDa
Format:	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	Recognized Decorin, a small leucine-rich proteoglycan (SLRP) family member that consists of glycosaminoglycan chain-containing core protein.
Background:	The core protein contains ten leucine rich repeats that contain sites for glycosylation, flanked by disulfide bond stabilizing loops. Decorin binds to Collagen Type I, II and IV in vivo and promotes the formation of fibers with variations in stability and solubility. The Decorin core protein binds to growth factors, intercellular matrix molecules, such as Fibronectin and Thrombospondin, and to the Decorin endocytosis receptor. Decorin binds to and inhibits TGF尾 and is a direct or indirect negative modulator of TGF尾 synthesis. Inhibition of Decorin core protein gene expression by the combination of IFN-纬 and TNF伪 may contribute to cartilage destruction that is characteristic of inflammatory joint diseases. The human Decorin gene maps to chromosome 12q21.33 and encodes a 359 amino acid protein.
Species Reactivity:	Human
Positive Control:	Human prostate or skin tissue (IHC).
Cellular Localization:	Extracellular matrix, Extracellular space, Secreted
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1-2 µg/ml
Microbiological State:	This product is not sterile.

Storage: 2° C  8° C



ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
U.S.A.

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Formalin-fixed, paraffin-embedded human prostate stained with Decorin Mouse Monoclonal Antibody (DCN/3523).

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Tris-EDTA HIER Solution (10x) pH 9.0 (ScyTek catalog# TES500) or Citrate Plus (10x) HIER Solution (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


References:

1. Krusius, T. and Ruoslahti, E. 1986. Proc. Natl. Acad. Sci. USA 83: 7683-7687

Warranty:

No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

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