

Decorin / PGS2 Antibody

Mouse Monoclonal Antibody [Clone DCN/6289]

Catalog No	Format	Size
1634-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1634-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1634-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

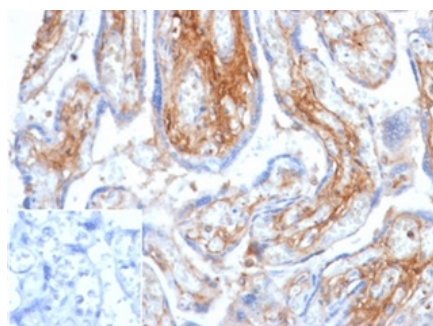
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

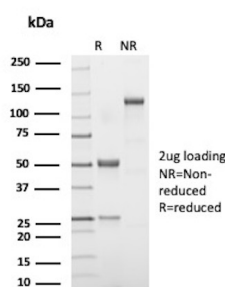
Clone	DCN/6289
Gene Name	DCN
Immunogen	Recombinant full-length DCN protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Lambda
Mol. Weight of Antigen	43kDa
Cellular Localization	Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Bovine, Canine, Chicken, Elk, Equine, Human, Mouse, Porcine, Rabbit
Positive Control	Prostate or skin tissue.

*Optimal dilution for a specific application should be determined.

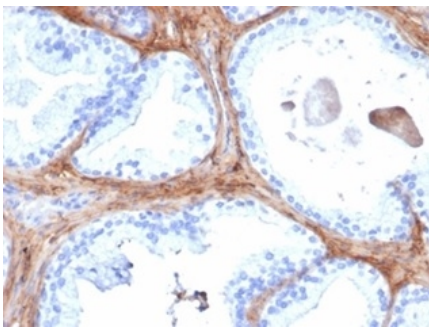
Product Images for Decorin / PGS2 Antibody



Formalin-fixed, paraffin-embedded human placenta stained with Decorin Mouse Monoclonal Antibody (DCN/6289) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified Decorin Mouse Monoclonal Antibody (DCN/6289). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human prostate stained with Decorin Mouse Monoclonal Antibody (DCN/6289). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Decorin is a small leucine-rich proteoglycan (SLRP) family member that consists of a glycosaminoglycan chain-containing core protein. 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 β and is a direct or indirect negative modulator of TGF β synthesis. Inhibition of Decorin core protein gene expression by the combination of IFN- γ and TNF α may contribute to cartilage destruction that is characteristic of inflammatory joint diseases. For immunostaining, pre-incubation with chondroitinase-SBC or testicular hyaluronidase may be required to expose the epitope.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Articular Cartilage Extracellular Matrix, Cardiovascular, Complement System, Infectious Disease, Mesenchymal Stem Cell Differentiation