

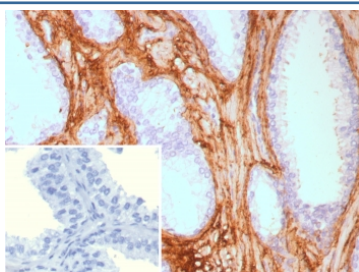
## Recombinant DCN Antibody / Decorin [clone rDCN/9075] (V4313)

Catalog No.	Formulation	Size
V4313-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4313-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4313SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	rDCN/9075
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P07585
<b>Localization</b>	Secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant DCN antibody is available for research use only.



IHC staining of FFPE human prostate carcinoma tissue with recombinant DCN antibody (clone rDCN/9075). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

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 TGFbeta and is a direct or indirect negative modulator of TGFbeta synthesis. Inhibition of Decorin core protein gene expression by the combination of IFN-gamma and TNFAlpha 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.

## **Application Notes**

Optimal dilution of the recombinant DCN antibody should be determined by the researcher.

## **Immunogen**

A recombinant human Decorin protein fragment (within amino acids 200-359) was used as the immunogen for the recombinant DCN antibody.

## **Storage**

Aliquot the recombinant DCN antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.