

## Datasheet: 7870-6190

<b>Description:</b>	SHEEP ANTI HUMAN DECORIN
<b>Specificity:</b>	DECORIN
<b>Other names:</b>	BONE PROTEOGLYCAN II
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Bovine, Chicken <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Synthetic peptide, CVYVRSAILQGNKYK, corresponding to the C-terminal sequence of human decorin conjugated to Keyhole Limpet Haemocyanin.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P07585</a> <a href="#">Related reagents</a>

**Entrez Gene:**[1634](#) DCN [Related reagents](#)**Synonyms**

SLRR1B

**Specificity**

**Sheep anti human decorin antibody** recognizes the C-terminal region of human bone proteoglycan II, also known as decorin, PG-S2 or PG40. Mutations in the decorin gene are associated with congenital stromal dystrophy of the cornea ([CSCD](#)), a rare autosomal dominant eye disease characterized by bilateral corneal clouding ([Bredrup et al., 2005](#)). Decorin is involved in autophagy of endothelial cells ([Buraschi et al., 2013](#)).

**Further Reading**

1. Bredrup, C. *et al.* (2005) Congenital stromal dystrophy of the cornea caused by a mutation in the decorin gene. [Invest Ophthalmol Vis Sci. 46: 420-6.](#)
2. Buraschi, S. *et al.* (2013) Decorin causes autophagy in endothelial cells via Peg3. [Proc Natl Acad Sci U S A. 110: E2582-91](#)

**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.  
Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)Donkey Anti Sheep IgG (STAR88...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),  
[FITC](#), [HRP](#)

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