

## 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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Bovine, Chicken

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein G

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

### Approx. Protein

IgG concentration 5.0 mg/ml

## Concentrations

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**Immunogen** Synthetic peptide, CVYVRS AIQLGNYK, corresponding to the C-terminal sequence of human decorin conjugated to Keyhole Limpet Haemocyanin.

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## External Database

### Links

**UniProt:**

[P07585](#)   [Related reagents](#)

**Entrez Gene:**

[1634](#) DCN   [Related reagents](#)

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**Synonyms** SLRR1B

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**RRID** AB\_2169109

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**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](#)).

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### 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](#)
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### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee** 12 months from date of despatch

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

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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