

Datasheet: 7870-6190

BATCH NUMBER 1711

Description:	SHEEP ANTI HUMAN DECORIN
Specificity:	DECORIN
Other names:	BONE PROTEOGLYCAN II
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 (NaN₃)

Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Synthetic peptide, CVYVRSAILGLGNYK, corresponding to the C-terminal sequence of human decorin conjugated to Keyhole Limpet Haemocyanin.
External Database Links	<p>UniProt: P07585 Related reagents</p> <p>Entrez Gene: 1634 DCN Related reagents</p>
Synonyms	SLRR1B
RRID	AB_2169109
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	<p>1. Bredrup, C. <i>et al.</i> (2005) Congenital stromal dystrophy of the cornea caused by a mutation in the decorin gene. Invest Ophthalmol Vis Sci. 46: 420-6.</p> <p>2. Buraschi, S. <i>et al.</i> (2013) Decorin causes autophagy in endothelial cells via Peg3. Proc Natl Acad Sci U S A. 110: E2582-91</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/7870-6190</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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