

Datasheet: 2150-0180

Description:	RABBIT ANTI HUMAN COLLAGEN V
Specificity:	COLLAGEN V
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.5 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
Immunohistology - Frozen	▪			1/20
Immunohistology - Paraffin (1)	▪			1/20
ELISA	▪			1/1500
Immunofluorescence	▪			

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.

(1) This product requires protein digestion pre-treatment of paraffin sections. 1 mg/ml pepsin in 0.5M acetic acid for 2 hours at 37°C and multiple buffer washes is recommended.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.5 ml distilled water containing 0.1% bovine serum albumin Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	0.15M Sodium Chloride 0.1M Sodium Phosphate

Preservative 1% Mannitol
Stabilisers 1% Dextran

Approx. Protein Concentrations IgG concentration 0.1 mg/ml after reconstitution

Immunogen Native human collagen V from placenta.

External Database Links

UniProt:

[P20908](#) [Related reagents](#)
[P05997](#) [Related reagents](#)
[P25940](#) [Related reagents](#)

Entrez Gene:

[1289](#) COL5A1 [Related reagents](#)
[1290](#) COL5A2 [Related reagents](#)
[50509](#) COL5A3 [Related reagents](#)

RRID AB_620311

Specificity **Rabbit anti Human collagen V antibody** recognizes human collagen V and demonstrates the following cross reactivities as demonstrated by ELISA:
Human collagen type V 100%
Human collagen type IV <5%
Human collagen type I & III <3%
Human plasma proteins <0.5%

References

1. Evans, M. J. *et al.* (2002) Fibroblast growth factor-2 during postnatal development of the tracheal basement membrane [Am J Physiol Lung Cell Mol Physiol 283: 1263 - 1270](#)
2. Mohan, H. *et al.* (2010) Extracellular matrix in multiple sclerosis lesions: Fibrillar collagens, biglycan and decorin are upregulated and associated with infiltrating immune cells. [Brain Pathol. 20: 966-75.](#)

Storage Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #20472 available at: 20472: <https://www.bio-rad-antibodies.com/uploads/MSDS/20472.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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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
'M391274:211008'

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