Product Datasheet

Collagen V Antibody (1E2-E4/Col5) - BSA Free
NBP1-05118

Unit Size: 100 ug

Store at 4C in the dark.

www.novusbio.com technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-05118

Updated 9/9/2025 v.20.1

Earn rewards for product reviews and publications.
Submit a publication at www.novusbio.com/publications
Submit a review at www.novusbio.com/reviews/destination/NBP1-05118

NBP1-05118

Collagen V Antibody (1E2-E4/Col5) - BSA Free

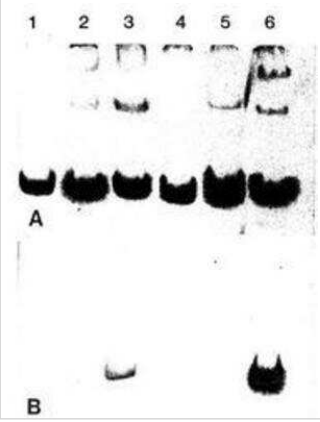
Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1E2-E4/Col5
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl

Product Description	
Description	Novus Biologicals Mouse Collagen V Antibody (1E2-E4/Col5) - BSA Free (NBP1-05118) is a monoclonal antibody validated for use in IHC, WB and ELISA. Anti-Collagen V Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1289
Gene Symbol	COL5A1
Species	Human, Porcine, Bovine, Canine, Kangaroo, Rabbit, Sheep, Chicken (Negative), Guinea Pig (Negative), Mouse (Negative), Rat (Negative)
Specificity/Sensitivity	Highly specific for type V collagen. It has been shown to have no cross-reactivity with type I, III and VI collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin).
Immunogen	Acid-digested pepsin soluble dog type V collagen

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:50, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	ELISA: NBP1-05118 can be used for detection of collagens by ELISA. NBP1-05118 binds poorly to Collagen V when tested in ELISA with Collagen V coated directly onto the microtiter well. WB: In immunoblotting NBP1-05118 detects human type V collagen only in its native triple helix form. IHC: NBP1-05118 has been used succesfully for immunohistology on paraffin embedded (1) and frozen unfixed sections of human (2), bovine (3) and dog (4) skin, on rabbit (1) and foetal bovine cornea (4), and of new dog tissue associated with a biomaterial implant (5). If fixation of tissue is required, acetone or ethanol is recommended.

Images

Western Blot: Collagen V Antibody (1E2-E4/Col5) [NBP1-05118] - Staining with 1E2-E4/Col5 on Dog Type I, III, V and Human Type I, III, and V in rows 1-6 respectively. (1. Werkmeister)



Publications

Velez CL. Integrinas y su regulacion por el sistema inmune durante la gestacion porcina. Thesis. 2017-01-01 (Porcine)

Werkmeister J Ramshaw J. Monoclonal antibodies to Type V Collagen for Immunohistological Examination of New Tissue Deposition Associated with Biomaterial Implants. J Histochemistry and Cytochemistry. 1991-01-01 [PMID: 1918939]

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-05118

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-05118

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications