Datasheet: 2150-0121

Description:	MOUSE ANTI HUMAN COLLAGEN IV
Specificity:	COLLAGEN IV
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	NLI/53
Isotype:	IgM
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
Immunohistology - Frozen	▪			1/5 - 1/50
Immunohistology - Paraffin	▪			1/5 - 1/50
ELISA	▪			1/800 - 1/1200
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.

Target Species

Human

Product Form

Purified IgM - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water
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 IgM prepared by ion exchange chromatography from ascites

Buffer Solution

0.1M Sodium Chloride
0.01M Sodium Phosphate
0.01M Sodium Borate

Preservative Stabilisers	1% Mannitol 1% Dextran
Approx. Protein Concentrations	IgM concentration 0.1 mg/ml after reconstitution
External Database Links	**UniProt:** P02462 Related reagents P08572 Related reagents Q01955 Related reagents P53420 Related reagents P29400 Related reagents Q14031 Related reagents **Entrez Gene:** 1282 COL4A1 Related reagents 1284 COL4A2 Related reagents 1285 COL4A3 Related reagents 1286 COL4A4 Related reagents 1287 COL4A5 Related reagents 1288 COL4A6 Related reagents
RRID	AB_2082645
Specificity	**Mouse anti Human collagen IV antibody, clone NLI/53** recognizes human collagen IV.
References	1. Cooper, L.J. *et al.* (2005) An investigation into the composition of amniotic membrane used for ocular surface reconstruction Cornea. 24: 722-9.
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	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #20482 available at: 20482: https://www.bio-rad-antibodies.com/uploads/MSDS/20482.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...)	Alk. Phos.
Human Anti Mouse IgM (HCA040...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP

Recommended Negative Controls

MOUSE IgM NEGATIVE CONTROL (MCA692)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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

'M391129:211008'

Printed on 21 Mar 2022

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