

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 - lyophilised
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
Buffer Solution	Phosphate buffered saline
Preservative	0.1% Mannitol
Stabilisers	0.1% 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

Specificity	Mouse anti Human collagen IV antibody, clone NLI/53 recognizes human collagen IV.
References	1. Cooper, L.J. <i>et al.</i> (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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10116 available at: 10116: https://www.bio-rad-antibodies.com/uploads/MSDS/10116.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR86...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgM (STAR138...)	Alk. Phos.
Human Anti Mouse IgM (HCA040...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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