

Datasheet: MCA6300

BATCH NUMBER 169828

Description:	RABBIT ANTI DESMIN
Specificity:	DESMIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM234
Isotype:	IgG
Quantity:	0.1 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 - Paraffin	▪			1/1000 - 1/4000
Western Blotting	▪			1/1000 - 1/2000

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 appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

Based on sequence similarity, is expected to react with: Bovine, Rat

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 of Protein A from animal origin-free culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin
50% Glycerol

Immunogen A peptide corresponding to Human desmin

External Database Links

UniProt:
[P17661](#) [Related reagents](#)

Entrez Gene:
[1674](#) DES [Related reagents](#)

Specificity **Rabbit anti Human desmin antibody** recognizes desmin (DES). Desmin is the intermediate filament protein in striated muscle, and maintains the structural and functional integrity of muscle cells ([Singh and Robbins 2018](#)). Mutations in the desmin gene, or post-translational modifications, cause skeletal and cardiac myopathies known as desmin related myopathies (DRMs) and include mitochondrial defects, cardiomyocyte death, muscle degeneration and other conditions ([Capetanaki et al. 2015](#)). Desmin is frequently down-regulated in cardiac pathology, and is believed to play a role in progression of heart failure ([Deliu et al. 2017](#)). Desmin expression is significantly expressed in colorectal cancer (CRC) and adenomas compared with normal colonic tissue and disrupts the function of the tumor suppressor p53, a mechanism which could explain the poor prognosis associated with high desmin expression ([Li et al. 2017](#)).

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. 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 #10048 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6300>
10048

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

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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
'M376280:210127'

Printed on 17 Mar 2025

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