

Datasheet: MCA5238Z

BATCH NUMBER 170925

Description:	MOUSE ANTI HUMAN INTEGRIN ALPHA 7:Preservative Free
Specificity:	INTEGRIN ALPHA 7
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	8G2
Isotype:	IgG2a
Quantity:	0.1 mg

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
Western Blotting	▪			0.1 - 10 ug/ml

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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 478 - 578 of human integrin alpha 7
External Database Links	UniProt:

[Q13683](#) [Related reagents](#)

Entrez Gene:

[3679](#) ITGA7 [Related reagents](#)

RRID	AB_2128438
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Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
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Specificity	Mouse anti Human Integrin alpha 7 antibody, clone 8G2 recognizes human integrin alpha 7. Integrin alpha 7 is a 1148 amino acid ~130 kDa type 1 single pass transmembrane glycoprotein. Integrin alpha 7 is the primary receptor for laminin in myoblasts and myofibres (Ziober et al. 2015). Mutations in the ITGA7 gene can lead to the development of a form of congenital muscular dystrophy (MDCI) presenting at or near birth with hypotonia, muscle weakness and commonly, joint contractures (Hyashi et al. 1998).
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References	1. Vinnik, A. <i>et al.</i> (2013) Compounds for the treatment and prevention of retroviral infections Patent application Number PCT/US2013/061940
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Storage	Store at -20°C only. 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.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10162 available at: https://www.bio-rad-antibodies.com/SDS/MCA5238Z 10162
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Rabbit Anti Mouse IgG (STAR9...)

[FITC](#)

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