

Datasheet: 5355-2657

BATCH NUMBER 167570

Description:	MOUSE ANTI HUMAN INTEGRIN ALPHA V BETA 5
Specificity:	INTEGRIN ALPHA V BETA 5
Other names:	CD51
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	P1F6
Isotype:	IgG1
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
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
ELISA	▪			
Immunoprecipitation	▪			
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

Species Cross Reactivity

Reacts with: Chicken

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 on Protein A from ascites

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human UCLA P3 cells (lung carcinoma).
External Database Links	<p>UniProt:</p> <p>P18084 Related reagents</p> <p>P06756 Related reagents</p> <p>Entrez Gene:</p> <p>3693 ITGB5 Related reagents</p> <p>3685 ITGAV Related reagents</p>
Synonyms	MSK8, VNRA
RRID	AB_620176
Specificity	Mouse anti Human integrin alpha V beta 5 antibody, clone P1F6 recognizes the integrin alpha V beta 5 holomolecule. ITGaVb5 acts as a receptor for fibronectin and has also been co-opted as a cellular receptor for adenovirus type C (Lyle and McCormick 2010).
Immunohistology	For use on human carcinomas, normal epithelium and keratinocytes using acetone or paraformaldehyde fixed tissue sections.
References	<ol style="list-style-type: none"> Weinacker, A. <i>et al.</i> (1994) Role of the integrin alpha v beta 6 in cell attachment to fibronectin. Heterologous expression of intact and secreted forms of the receptor J Biol Chem 269: 6940 - 6948 Aplin, J. D. <i>et al.</i> (1996) Integrins beta 5, beta 3 and alpha v are apically distributed in endometrial epithelium Mol Hum Reprod 2: 527 - 534
Further Reading	1. Wayner, E. A. <i>et al.</i> (1991) Integrins alpha v beta 3 and alpha v beta 5 contribute to cell attachment to vitronectin but differentially distribute on the cell surface J Cell Biol 113: 919 - 929
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/5355-2657>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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
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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
'M381920:210512'

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