

## Datasheet: MCA2516A647

<b>Description:</b>	MOUSE ANTI HUMAN CD87:Alexa Fluor® 647
<b>Specificity:</b>	CD87
<b>Other names:</b>	UPAR, UPA-R
<b>Format:</b>	ALEXA FLUOR® 647
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/1ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Alexa Fluor® 647 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Alexa Fluor®647	650	665
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
	1% Bovine Serum Albumin		
<b>Approx. Protein Concentrations</b>	IgG concentration 0.05mg/ml		

<b>Immunogen</b>	THP-1 cells (Human acute monocytic leukaemia cells).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q03405</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5329</a>    PLAUR    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	MO3, UPAR
<b>RRID</b>	AB_961476
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the X63.Ag8.653 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD87 antibody, clone VIM-5</b> recognizes human CD87, also known as urokinase plasminogen activator receptor (uPAR), a 50-65 kDa single chain glycosylphosphatidylinositol (GPI) anchored glycoprotein, expressed by granulocytes, tissue macrophages, monocytes, endothelial cells, fibroblasts and mesenchymal and epithelial tumour cells.</p> <p>CD87 specifically binds and activates urokinase plasminogen activator (uPA), a serine protease which converts the inactive receptor-bound proenzyme plasminogen into plasmin, triggering the proteolysis cascade of fibrinolysis. The interaction between uPAR and uPA is also known to play a role in cancer cell invasion and metastasis.</p> <p>Clone VIM-5 is reported to block urokinase binding.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Gadd, S.J. <i>et al.</i> (1990) M5, a phosphoinositol-linked human myelomonocytic activation-associated antigen. <a href="#">Clin Exp Immunol. 80 (2): 252-6.</a></li> <li>Sillaber, C. <i>et al.</i> (1997) Molecular and functional characterization of the urokinase receptor on human mast cells. <a href="#">J Biol Chem. 272 (12): 7824-32.</a></li> </ol>
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Mondino, A. &amp; Blasi, F. (2004) uPA and uPAR in fibrinolysis, immunity and pathology. <a href="#">Trends Immunol. 25 (8): 450-5.</a></li> </ol>
<b>Storage</b>	<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. This product is photosensitive and should be protected from light.</p>
<b>Guarantee</b>	12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2516A647>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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