

## Datasheet: MCA2516PE

<b>Description:</b>	MOUSE ANTI HUMAN CD87:RPE
<b>Specificity:</b>	CD87
<b>Other names:</b>	UPAR, UPA-R
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

## 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.

Target Species	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1.0ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN <sub>3</sub> )		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	

<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_1055682
<b>Fusion Partners</b>	Spleen cells from immunised 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>1. 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> <li>2. 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> </ol>
<b>Further Reading</b>	1. Mondino, A. & Blasi, F. (2004) uPA and uPAR in fibrinolysis, immunity and pathology. <a href="#">Trends Immunol. 25 (8): 450-5.</a>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C.</p> <p>DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #20487 available at:

**Information** 20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

### Recommended Useful Reagents

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

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

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