

## Datasheet: MCA2516F

<b>Description:</b>	MOUSE ANTI HUMAN CD87:FITC
<b>Specificity:</b>	CD87
<b>Other names:</b>	UPAR, UPA-R
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_961478

**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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525

**Preparation** Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.09% Sodium Azide (NaN<sub>3</sub>)  
**Stabilisers** 1% Bovine Serum Albumin

**Approx. Protein Concentrations** IgG concentration 0.1mg/ml

**Immunogen** THP-1 cells (Human acute monocytic leukaemia cells).

**External Database Links** **UniProt:**

**Entrez Gene:**

[5329](#)   PLAUR   [Related reagents](#)

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<b>Synonyms</b>	MO3, UPAR
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<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the X63.Ag8.653 myeloma cell line.
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<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>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><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><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></ol>
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<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>
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<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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<b>Guarantee</b>	18 months from date of despatch.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

### Recommended Useful Reagents

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

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](mailto:antibody_sales_de@bio-rad.com)

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