

## Datasheet: MCA2516EL

<b>Description:</b>	MOUSE ANTI HUMAN CD87:Low Endotoxin
<b>Specificity:</b>	CD87
<b>Other names:</b>	UPAR, UPA-R
<b>Format:</b>	Low Endotoxin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	VIM-5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	
Functional Assays	▪			

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 - liquid
<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>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.01 EU/ug
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/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_931700
<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 1x10 <sup>6</sup> cells in 100ul.
<b>Histology Positive Control Tissue</b>	Human tonsil.
<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>
<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>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@680](#),  
[DyLight@800](#), [FITC](#), [HRP](#)

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA928EL\)](#)

### Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

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