

Datasheet: MCA2516EL

Description:	MOUSE ANTI HUMAN CD87:Low Endotoxin
Specificity:	CD87
Other names:	UPAR, UPA-R
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	VIM-5
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	<0.01Eu/ug
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

Immunogen	THP-1 cells (Human acute monocytic leukaemia cells).
External Database Links	UniProt: Q03405 Related reagents Entrez Gene: 5329 PLAUR Related reagents
Synonyms	MO3, UPAR
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the X63.Ag8.653 myeloma cell line.
Specificity	Mouse anti Human CD87 antibody, clone VIM-5 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. 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. Clone VIM-5 is reported to block urokinase binding.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
Histology Positive Control Tissue	Human tonsil.
References	1. Sillaber, C. <i>et al.</i> (1997) Molecular and functional characterization of the urokinase receptor on human mast cells. J Biol Chem. 272 (12): 7824-32. 2. Gadd, S.J. <i>et al.</i> (1990) M5, a phosphoinositol-linked human myelomonocytic activation-associated antigen. Clin Exp Immunol. 80 (2): 252-6.
Further Reading	1. Mondino, A. & Blasi, F. (2004) uPA and uPAR in fibrinolysis, immunity and pathology. Trends Immunol. 25 (8): 450-5.
Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

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

Recommended Useful Reagents

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

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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