

Datasheet: MCA1399PE

BATCH NUMBER 157597

Description:	MOUSE ANTI HUMAN FIBROBLASTS/EPITHELIAL CELLS:RPE
Specificity:	FIBROBLASTS/EPITHELIAL CELLS
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	D7-FIB
Isotype:	IgG2a
Quantity:	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.

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

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human		
Species Cross Reactivity	Does not react with:F	Rat, Mouse	
Product Form	Purified IgG conjugat	ted to R. Phycoerythrin	(RPE) - lyophilized
Reconstitution	Reconstitute with 1.0	ml distilled water.	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared supernatant	d by affinity chromatog	raphy on Protein G from tissue
Buffer Solution	Phosphate buffered s	saline	
Preservative	0.09% Sodium Azide	· (NaN ₃)	

Stabilisers	1% Bovine Serum Albumin 5% Sucrose
Immunogen	Human foreskin fibroblasts.
RRID	AB_1055724
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2 myeloma cell line.
Specificity	Mouse anti Human Fibroblasts/Epithelial Cells antibody, clone D7-FIB recognizes a ~112kDa molecule expressed on the cell surface of human fibroblasts. The antigen is not expressed by peripheral blood cells, and is found at low levels on a minority of melanoma cell lines. Studies upon the antigen have shown it to be sensitive to SDS, but resistant to trypsin, tunicamycin and collagenase.
	In immunohistological studies Mouse anti Human Fibroblasts/Epithelial Cells antibody.
	Mouse anti Human Fibroblasts/Epithelial Cells antibody, clone D7-FIB has also been found to bind to epithelium, myoepthelium, smooth muscle and some leucocytes.
	Mouse anti Human Fibroblasts/Epithelial Cells antibody, clone D7-FIB is useful as a cell membrane marker to characterize chondrocyte differentiation giving a positive reaction with dedifferentiated human chondrocytes, and negative with differentiated chondrocytes (van Osch et al. 2001).
	Mouse anti Human Fibroblasts/Epithelial Cells antibody, clone D7-FIB is routinely tested in flow cytometry on the KG1 cell line.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	 Fearns C & Dowdle EB (1992) The desmoplastic response: induction of collagen synthesis by melanoma cells <i>in vitro</i>. Int J Cancer. 50 (4): 621-7. Kelynack, K.J. <i>et al.</i> (2000) Human renal fibroblast contraction of collagen I lattices is an integrin-mediated process. Nephrol Dial Transplant. 15 (11): 1766-72. van Osch, G.J. <i>et al.</i> (2001) Monoclonal antibody 11-fibrau: a useful marker to characterize chondrocyte differentiation stage. Biochem Biophys Res Commun. 280 (3): 806-12. Behl, B. <i>et al.</i> (2013) Biological effects of cobalt-chromium nanoparticles and ions on dural fibroblasts and dural epithelial cells. Biomaterials. 34 (14): 3547-58. Morito, T. <i>et al.</i> (2008) Synovial fluid-derived mesenchymal stem cells increase after

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Storage	Store at +4°C. 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.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA1399PE 20487
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:RPE (MCA929PE)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

HUMAN SEROBLOCK (BUF070B)

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