

Datasheet: MCA1399PET

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|----------------------|---|
| Description: | MOUSE ANTI HUMAN FIBROBLASTS/EPITHELIAL CELLS:RPE |
| Specificity: | FIBROBLASTS/EPITHELIAL CELLS |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | D7-FIB |
| Isotype: | IgG2a |
| Quantity: | 25 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 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.

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|---------------------------------|---|----------------------------|--------------------------|
| Target Species | Human | | |
| Species Cross Reactivity | Does not react with:Rat, Mouse | | |
| Product Form | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized | | |
| Reconstitution | Reconstitute in 0.25 ml 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 from tissue culture supernatant | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative Stabilisers | 0.09% sodium azide (NaN ₃) 1% bovine serum albumin | | |

5% sucrose

Immunogen Human foreskin fibroblasts.

RRID AB_1102567

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. The epitope recognized by clone D7-FIB is sensitive to SDS, but resistant to trypsin, tunicamycin and collagenase.

Mouse anti Human Fibroblasts/Epithelial Cells antibody, clone D7-FIB also binds to epithelium, myoepithelium, 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 10µl of the suggested working dilution to label 10⁶ cells in 100µl

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- References**
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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/MCA1399PET>
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 \(BUF070B\)](#)

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