

Product datasheet for **SM1214R**

Fibroblasts / Epithelial Cells Mouse Monoclonal Antibody [Clone ID: D7-FIB]

Product data:

Product Type:	Primary Antibodies
Clone Name:	D7-FIB
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10e6 cells in 100 µl. This product is routinely tested in Flow Cytometry on the KG1 cell line.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human foreskin Fibroblasts. Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2 myeloma cell line.
Specificity:	This antibody recognizes a ~112kD molecule expressed on the cell surface of human fibroblasts and epithelial cells. In peripheral blood the antibody stains myeloid cells and a very small number of lymphocytes. Studies upon the antigen have shown it to be sensitive to SDS, but resistant to trypsin, tunicamycin and collagenase. In immunohistological studies the antibody has also been found to bind to epithelium, myoepithelium, smooth muscle and some leucocytes. D7-FIB has been shown to be useful as a cell membrane marker to characterize chondrocyte differentiation giving a positive reaction with dedifferentiated human chondrocytes, and negative with differentiated chondrocytes. (3). Negative Species: Mouse, Rat.
Formulation:	PBS, pH 7.4 Label: PE State: Lyophilized purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 0.25 ml (SM1214RT) or 1 ml (SM1214R) distilled water.



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Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store the antibody undiluted Prior to and After reconstitution at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Background:	A fibroblast is a connective-tissue cell of mesenchymal (somewhat undifferentiated) origin that secretes proteins from which the extracellular fibrillar matrix of connective tissue forms. Epithelial cells are cells that cover the surface of the body and line its cavities.
Synonyms:	Fibroblast Marker, Fibroblasten