

Technical Data Sheet

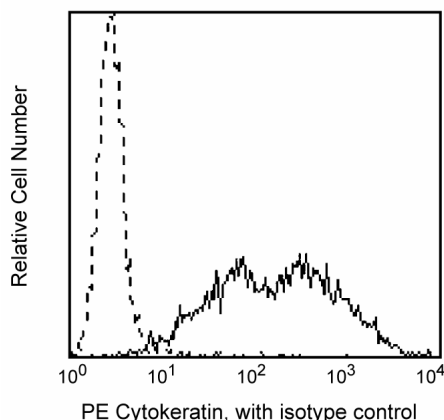
PE Mouse Anti-Human Cytokeratin 14, 15, 16 and 19 Set

Product Information

Material Number:	550953
Size:	100 tests
Reactivity:	QC Testing: Human
Component:	51-38255X
Description:	PE Mouse Anti-Human Cytokeratin
Size:	100 tests (1 ea)
Vol. per Test:	20 µl
Clone Name:	KA4
Isotype:	Mouse IgG1, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.
Component:	51-35405X-6
Description:	PE Mouse IgG1 Isotype Control
Size:	100 tests (1 ea)
Vol. per Test:	20 µl
Clone Name:	MOPC-21
Isotype:	Mouse IgG1, κ
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with cytokeratins 14, 15, 16 and 19 present in the cytoplasm of a wide variety of human simple epithelium. Human epithelium has been shown to contain cytoplasmic filaments of the cytokeratin type. There have been 19 different polypeptides identified and they demonstrate a characteristic pattern for each type of epithelium. This reagent is useful for intracellular staining for flow cytometric analysis, western blot and immunohistochemical staining of both, acetone-fixed frozen tissue sections and formalin-fixed paraffin embedded tissue sections with citrate pretreatment.



Preparation and Storage

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed.

Application Notes

Application

Intracellular staining (flow cytometry)

Routinely Tested

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Recommended Assay Procedure:

Note: This product is routinely tested on fixed and permeabilized A431 cells with 1% paraformaldehyde and 0.1% Triton X-100.

Product Notices

1. This antibody has been optimized and preassayed with its matched isotype control to be used at the recommended volume of 20 ul/test. Titration of the reagents or substituting with other (non-matched) isotype control is NOT recommended.
2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. For fluorochrome spectra and suitable instrument settings, please refer to our Multicolor Flow Cytometry web page at www.bdbiosciences.com/colors.
5. Please refer to www.bdbiosciences.com/pharming/protocols for technical protocols.

References

Nagle RB, Lucas DO, McDaniel KM, Clark VA, Schmalzel GM. Paget's cells. New evidence linking mammary and extramammary Paget cells to a common cell phenotype. *Am J Clin Pathol*. 1985; 83(4):431-438. (Biology)

Nagle RB, Moll R, Weidauer H, Nemetschek H, Franke WW. Different patterns of cytokeratin expression in the normal epithelia of the upper respiratory tract. *Differentiation*. 1985; 30(2):130-140. (Biology)

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