

Monoclonal Antibody to Cytokeratin (pan) (4+5+6+8+10+13+18) - PE

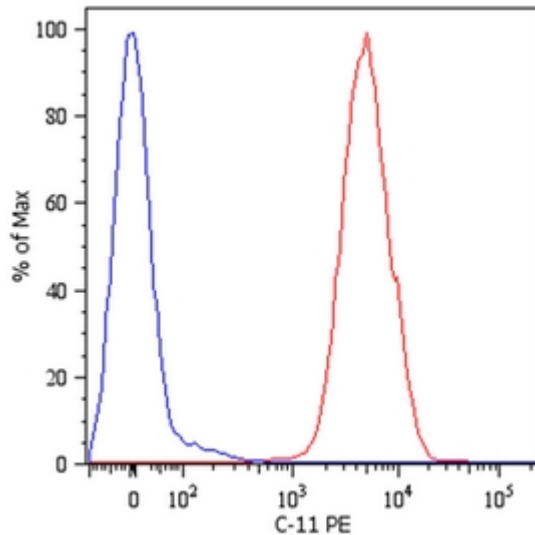
Alternate names:	Cytokeratin Pan-reactive, pan Keratin
Catalog No.:	BM555R
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.
Host / Isotype:	Mouse / IgG1
Clone:	C-11
Immunogen:	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
Format:	State: Liquid purified IgG fraction. Purification: Size-Exclusion Chromatography. Buffer System: PBS containing 15 mM sodium azide as preservative and 0.2% (w/v) high-grade BSA (Protease free) as stabilizer. Label: PE – Conjugated with R-Phycoerythrin under optimum conditions
Applications:	Suitable for Flow Cytometry analysis. It is recommended to use 10-20 µl of antibody conjugate per 10e6 cells (100 µl cell suspension). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody C-11 reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues. Species: Mammalian. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J.: Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. Int J Cancer Suppl. 1988;3:50-5. 2. Bartek J, Vojtesek B, Staskova Z, Bartkova J, Kerekes Z, Rejthar A, Kovarik J.: A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J Pathol. 1991 Jul;164(3):215-24.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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3. Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T.: Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis. *Res Commun Mol Pathol Pharmacol.* 1998 Aug;101(2):115-26.
4. Broekema M, Harmsen MC, Koerts JA, Petersen AH, van Luyn MJ, Navis G, Popa E.R.: Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats. *Kidney Int.* 2005 Dec;68(6):2572-81.

Pictures:

Intracellular Flow Cytometry analysis of cytokeratin expression in HT-29 Human Caucasian colon adenocarcinoma cell line using anti-cytokeratin antibody (C-11) PE. Overlay with Isotype Mouse IgG1 control (PPV-06)

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