

Cytokeratin monoclonal antibody, clone C-11 (APC)

Catalog # MAB5131

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native cytokeratin.
Immunogen	Native purified cytokeratin from Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
Host	Mouse
Reactivity	Human, Mammals
Specificity	This antibody reacts with Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Form	Liquid
Conjugation	APC
Concentration	0.1 mg/mL
Isotype	IgG1
Recommend Usage	Flow Cytometry (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

Publication Reference

- [Peptide-based isolation of circulating tumor cells by magnetic nanoparticles.](#)

Bai L, Du Y, Peng J, Liu Y, Wang Y, Yang Y, Wang C.

Journal of Materials Chemistry B 2014 Apr; 2:4080.

Application: IF-CTC, Human, Blood

- [New Generation of Ensemble-Decision Aliquot Ranking Based on Simplified Microfluidic Components for Large-Capacity Trapping of Circulating Tumor Cells.](#)

Zhao M, Nelson WC, Wei B, Schiro PG, Hakimi BM, Johnson ES, Anand RK, Gyurkey GS, White LM, Whiting SH, Coveler AL, Chiu DT.

Analytical Chemistry 2013 Oct; 85(20):9671.

Application: Conjugation, Human, Circulating Tumor Cells

- [Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats.](#)

Broekema M, Harmsen MC, Koerts JA, Petersen AH, van Luyn MJ, Navis G, Popa ER.

Kidney International 2005 Dec; 68(6):2572.

- [Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis.](#)

Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T.

Res Commun Mol Pathol Pharmacol 1998 Aug; 101(2):115.

- [A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology.](#)

Bártek J, Vojtěšek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, Kovarik J.

The Journal of Pathology 1991 Jul; 164(3):215.

- [Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread.](#)

Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J.

International Journal of Cancer. Supplement 1988 Jan; 3:50.