

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

Catalog No.:	BM555PX
Quantity:	1 mg
Concentration:	1.0 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 (> 95% pure by SDS-PAGE). Purification: Protein-A affinity chromatography. Buffer System: PBS, pH 7.4 containing 15 mM sodium azide as preservative.
Applications:	Western Blotting. Flow Cytometry. Immunoprecipitation. Immunohistochemistry (paraffin sections) Immunocytochemistry. 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.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Kovarík J, Rejthar A, Lauerová L, Vojtšek B, Bártková J. Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. <i>Int J Cancer Suppl.</i> 1988;3:50-5. PubMed PMID: 2463228. 2. Bártek J, Vojtšek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, et al. A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. <i>J Pathol.</i> 1991 Jul;164(3):215-24. PubMed PMID: 1716305. 3. Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T. Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis. <i>Res Commun Mol Pathol Pharmacol.</i> 1998 Aug;101(2):115-26. PubMed PMID: 9821208.

4. Broekema M, Harmsen MC, Koerts JA, Petersen AH, van Luyn MJ, Navis G, et al. Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats. *Kidney Int.* 2005 Dec;68(6):2572-81. PubMed PMID: 16316332.