EXBIO Antibodies

PRODUCT DATA SHEET

A4-108-C100

Monoclonal Antibody to Cytokeratin (Pan-reactive) Alexa Fluor® 488 conjugated (0.1 mg)

Clone:	C-11
Isotype:	Mouse IgG1
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.
Regulatory Status:	RUO
Immunogen:	Keratin-enriched preparation from human epidermoid carcinoma cell line A431.
Species Reactivity:	Mammalian
Preparation:	The purified antibody is conjugated with Alexa Fluor 488 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Concentration:	0.1 mg/ml
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis. Suggested working dilution is 10 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
Expiration:	See vial label
Lot Number:	See vial label
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.
References:	*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. *Vojtĕsek B, Stasková Z, Nenutil R, Lauerová L, Kovarík J, Rejthar A, Bártková J, Bártek J: Monoclonal antibodies recognizing different epitopes of cytokeratin No.18. Folia Biol (Praha). 1989;35(6):373-82. *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. *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. *Broekema M, Harmsen MC, Koerts JA, Petersen AH, van Luyn MJ, Navis G, Popa ER: Determinants of tubular bone marrow-derived cell engraftment after renal ischemia/reperfusion in rats. Kidney Int. 2005 Dec;68(6):2572-81.

For laboratory research only, not for drug, diagnostic or other use.

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