



A4-120-C100

Monoclonal Antibody to Cytokeratin 19 Alexa Fluor® 488 conjugated (0.1 mg)

Clone:	A53-B/A2
Isotype:	Mouse IgG2a
Specificity:	The antibody A53-B/A2 reacts with Rod domain of cytokeratin 19 (40 kDa) in human tissue. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.
Regulatory Status:	RUO
Immunogen:	MCF-7 human breast adenocarcinoma cell line
Species Reactivity:	Human
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 concentration 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:	*Karsten U, Papsdorf G, Roloff G, Stolley P, Abel H, Walther I, Weiss H: Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion. <i>Eur J Cancer Clin Oncol.</i> 1985 Jun;21(6):733-40. *Kasper M, Moll R, Stosiek P, Karsten U: Patterns of cytokeratin and vimentin expression in the human eye. <i>Histochemistry.</i> 1988;89(4):369-77. *Bártek J, Bártková J, Taylor-Papadimitriou J, Rejthar A, Kovarik J, Lukás Z, Vojtásek B: Differential expression of keratin 19 in normal human epithelial tissues revealed by monospecific monoclonal antibodies. <i>Histochem J.</i> 1986 Oct;18(10):565-75.

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Antibodies

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