



1P-768-C100

Monoclonal Antibody to Acidic Cytokeratins Phycoerythrin (PE) conjugated (0.1 mg)

Clone:	AE1
Isotype:	Mouse IgG1
Specificity:	Mouse monoclonal antibody AE1 recognizes acidic type cytokeratins, namely K10, 14, 15, 16, 19 (40-56 Kda). This antibody stains well the basal layer of epidermis and most epithelia.
Regulatory Status:	RUO
Immunogen:	Human epidermal keratins
Species Reactivity:	Human, Non-Human Primates, Mouse, Rat, Canine (Dog), Feline (Cat), Rabbit, Chicken
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) 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.
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:	*Ansai SI, Katagata Y, Yoshikawa KI, Hozumi Y, Aso K: Keratin specificity analyses of eight anti-keratin monoclonal antibodies, and their immunostaining patterns in normal skin using formalin-fixed and paraffin-embedded tissue specimens. Arch Dermatol Res. 1993;285(1-2):6-12. *Hunt RC, Davis AA: Altered expression of keratin and vimentin in human retinal pigment epithelial cells in vivo and in vitro. J Cell Physiol. 1990 Nov;145(2):187-99. *Woodcock-Mitchell J, Eichner R, Nelson WG, Sun TT: Immunolocalization of keratin polypeptides in human epidermis using monoclonal antibodies. J Cell Biol. 1982 Nov;95(2 Pt 1):580-8. *Listrom MB, Dalton LW: Comparison of keratin monoclonal antibodies MAK-6, AE1:AE3, and CAM-5.2. Am J Clin Pathol. 1987 Sep;88(3):297-301.

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