

Datasheet for ABIN5526888

anti-Keratin Acidic (AE1) antibody (PE)[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	Keratin Acidic (AE1)
Reactivity:	Human, Rat, Chicken, Mouse, Rabbit, Dog, Cat, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Human epidermal keratins
Clone:	AE1
Isotype:	IgG1
Specificity:	Mouse monoclonal antibody AE1 recognizes acidic type cytokeratins (intracellular antigens), namely K10, 14, 15, 16, 19 (40-56 kDa). This antibody stains well the basal layer of epidermis and most epithelia.
Cross-Reactivity (Details):	Human, Non-Human Primates, Mouse, Rat, Canine (Dog), Feline (Cat), Rabbit, Chicken
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	Keratin Acidic (AE1)
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Target Details

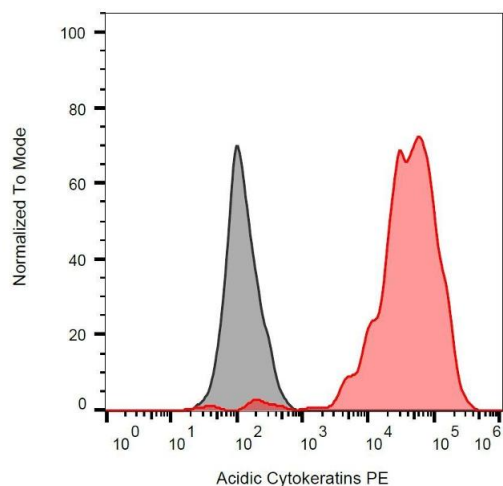
Alternative Name:	Acidic Cytokeratins (AE1 Products)
Background:	Cytokeratins are a subfamily of intermediate filaments and are characterized by remarkable biochemical diversity. They are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. 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. Type I cytokeratins

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 2-5 µg/mL. Intracellular staining.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Intracellular staining of CaCo-2 cells with anti-acidic cytokeratins (AE1) PE.