

PerCP/Cyanine5.5 anti-Pan-Cytokeratin

Catalog# / Size	914209 / 25 tests 914210 / 100 tests
Clone	AE-1/AE-3
Regulatory Status	RUO
Other Names	Pan-Cytokeratin (AE-1/AE-3), AE1/AE3
Isotype	Mouse IgG1, κ
Description	AE-1 immunoreacts with an antigenic determinant present on most of the subfamily A cytokeratins, including cytokeratins with molecular weights of 56.5, 50, 48 and 40 kD. AE-3 reacts with an antigenic determinant shared by the subfamily B cytokeratins including cytokeratins with molecular weights of 64, 59, 58, 56, and 52 kD.

Product Details

Verified Reactivity	Human, Rat
Reported Reactivity	Dog, Non-Human Primate
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	This antibody was developed using human epidermal keratins.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested SB - Community Verified
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.
Excitation Laser	Blue Laser (488 nm)
Additional Product Notes	For use of this antibody in intracellular flow cytometry (ICFC), fixation/permeabilization using Cyto-Fast™ Fix/Perm Buffer Set (Cat. No. 426803) is recommended. For the use of this antibody in spatial biology (SB), we have partnered with Bruker Spatial Biology Biosciences for demonstration of this antibody on their next-generation ChipCytometry instrument called the CellScape™. The CellScape platform is an end-to-end solution for highly multiplexed spatial omics. Combining an advanced, purpose-built imaging system with easy-to-use fluidics for walk-away automation, the CellScape system will accelerate your exploration into the rapidly evolving field of spatial biology. More information on the the Bruker Spatial Biology CellScape and a complete list of our antibodies that have been demonstrated on the instrument can be found here .
RRID	AB_3662341 (BioLegend Cat. No. 914209) AB_3662341 (BioLegend Cat. No. 914210)

Antigen Details

Biology Area	Cell Biology, Cell Motility/Cytoskeleton/Structure, Neuroscience, Neuroscience Cell Markers
Molecular Family	Intermediate Filaments
Gene ID	NA

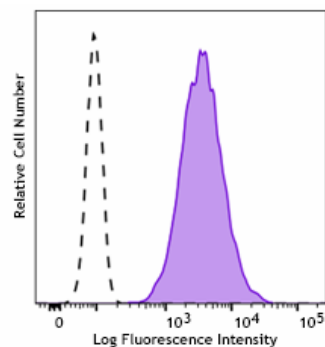
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

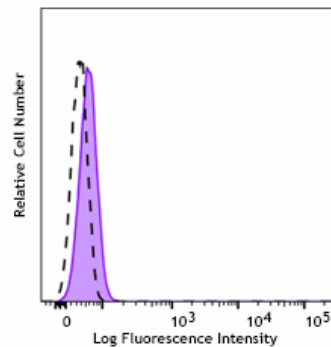
Other Formats

Purified anti-Pan-Cytokeratin, Alexa Fluor® 594 anti-Pan-Cytokeratin, TotalSeq™-Bn1301 anti-Pan-Cytokeratin, PerCP/Cyanine5.5 anti-Pan-Cytokeratin, Alexa Fluor® 647 anti-Pan-Cytokeratin Antibody, Alexa Fluor® 488 anti-Pan-Cytokeratin

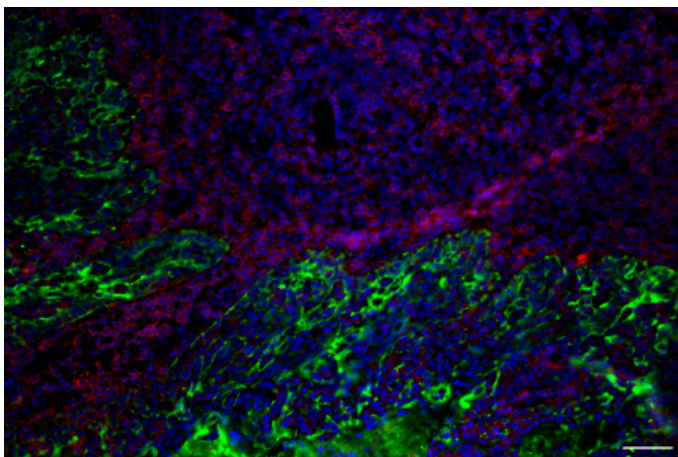
Product Data



MCF-7 cells (positive cell line, solid histogram) were fixed and permeabilized using Cyto-Fast™ Fix/Perm Buffer Set (Cat. No. 426803) and intracellularly stained with PerCP/Cyanine5.5 anti-Pan-Cytokeratin (clone AE-1/AE-3) or PerCP/Cyanine5.5 mouse IgG1, κ isotype control (negative control, dashed histogram) (Cat No. 400149).



Jurkat cells (negative cell line, solid histogram) were fixed and permeabilized using Cyto-Fast™ Fix/Perm Buffer Set (Cat. No. 426803) and intracellularly stained with PerCP/Cyanine5.5 anti-Pan-Cytokeratin (clone AE-1/AE-3) or PerCP/Cyanine5.5 mouse IgG1, κ isotype control (dashed histogram) (Cat No. 400149).



Multiplexed IHC staining of PerCP/Cyanine5.5 anti-Pan-Cytokeratin (clone AE1/AE3) on formalin-fixed paraffin-embedded human tonsil tissue, validated for use on the Cellscope™. The tissue was iteratively stained with PerCP/Cyanine5.5 anti-panCytokeratin (clone AE1/AE3, green) and PerCP/Cyanine5.5 anti-CD45 (Cat. No. 368504, red) for one hour at room temperature. Nuclei were counterstained with Hoechst 33342. Images were captured with a 20X objective. Scale bar: 50 μm

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