

Cytokeratin 8 Monoclonal Antibody (LP3K), FITC, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	LP3K
Conjugate	FITC
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10548518

Applications	Tested	Dilution	Published
Immunocytochemistry (ICC)	✓	Assay-Dependent	
Immunofluorescence (IF)	✓	Assay-Dependent	
Immunohistochemistry (IHC)	✓	Assay-Dependent	

Product Specific Information

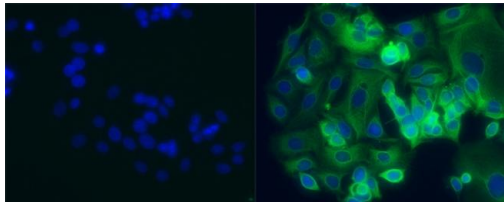
Description: This LP3K monoclonal antibody reacts with human cytokeratin 8 (K8), a 55-kDa member of the family of intermediate filament proteins. Cytokeratin 8 is a type II (or basic) keratin that is expressed in epithelial and carcinoma cells. Cytokeratins form the intracellular cytoskeletal network that maintains the integrity and stability of cells and tissues. More specifically, studies have demonstrated the involvement of cytokeratin 8 in protection against apoptosis, stress, or injury, as well as regulation of the cell cycle. This keratin is frequently co-expressed with cytokeratin 18, a type I (or acidic) keratin as a heterodimer. Although detected primarily in the cytoplasm of normal healthy cells, cytokeratin 8 has been found to localize to the plasma membrane in some tumor cells. Finally, cytokeratin 8 is phosphorylated on serine 73 in dividing cells.

Applications Reported: This LP3K antibody has been reported for use in immunofluorescent microscopy.

Applications Tested: This LP3K antibody has been tested by immunofluorescent staining of methanol-fixed MCF-7 cells. This can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



Cytokeratin 8 Antibody (11-9938-80) in ICC

Immunocytochemistry of fixed MCF7 cells using 10 µg/mL of mouse IgG1 isotype control FITC (Product # 11-4714-42) (left) or Anti-Human Cytokeratin 8 FITC (right). Nuclei are counterstained with DAPI.

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