Anti-Human Cytokeratin 7 eFluor® 615

Catalog Number: 42-9005
RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human Cytokeratin 7 eFluor® 615
REF **Catalog Number:** 42-9005
Clone: LP5K
Concentration: 0.2 mg/mL
Host/Isotype: Mouse IgG2b

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial

Description

This LP5K monoclonal antibody reacts with human cytokeratin 7 (K7), a 54-kDa type II (or basic) keratin expressed either alone or paired with cytokeratin 19 in simple epithelia, mesothelium, urothelium, and pseudostratified epithelium. Expression of cytokeratin 7 in the gastric foveolar, intestinal, and stratified squamous epithelia is extremely low or undetectable. Cytokeratins form the intracellular cytoskeletal network that maintains the integrity and stability of cells and tissues. In addition, most carcinomas express cytokeratin 7. The coordinated expression of this keratin with cytokeratin 20 is commonly used as a diagnostic marker for a variety of carcinomas.

Applications Reported

This LP5K antibody has been reported for use in immunohistochemical and immunocytochemical staining.

Applications Tested

This LP5K antibody has been tested immunocytochemistry on fixed and permeabilized MCF7 cells at less than or equal to 10 ug/mL. It is recommended that this antibody be carefully titrated for optimal performance in the assay of interest. This product has not been validated for flow cytometric analysis.

Filter Recommendation: When using this eFluor® 615 antibody conjugate, we recommend a filter that will capture the 615 emission wavelength (for example, Excitation 560/55, 585LP, Emission 645/75). A standard Alexa Fluor® 594 filter is acceptable.

References

Moll R, Divo M, Langbein L. The human keratins: biology and pathology. Histochem Cell Biol. 2008 Jun;129(6):705-33. Review.

Chu P, Wu E, Weiss LM. Cytokeratin 7 and cytokeratin 20 expression in epithelial neoplasms: a survey of 435 cases. Mod Pathol. 2000 Sep;13(9):962-72.

Sato Y, Fujiwara H, Zeng BX, Higuchi T, Yoshioka S, Fujii S. Platelet-derived soluble factors induce human extravillous trophoblast migration and differentiation: platelets are a possible regulator of trophoblast infiltration into maternal spiral arteries. Blood. 2005 Jul 15;106(2):428-35. (**LP5K**, ICC)

Related Products

00-4953 IHC /ICC Blocking Buffer - Low Protein
00-4954 20X TBS Wash Buffer for IHC/ICC
00-4958 Fluoromount-G™
42-4732 Mouse IgG2b K Isotype Control eFluor® 615

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com • info@ebioscience.com