

Anti-Keratin 7 & 8 [LDS68]

Catalogue number: 151743

Sub-type: Primary antibody

Images:

Contributor

Inventor: Jenny Southgate

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Keratin 7 & 8 [LDS68]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody directed against closely related keratin's 7 and 8, useful in studying epithelial cells and tumours of epithelial origin.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Cytoskeletons of the human urothelial RT4 cell line.

Immunogen UNIPROT ID: P08729

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Keratin 7, 8 in basal, prickle and intermediate cells

Target alternate names:

Target background: Keratins are a family of intermediate filament proteins that assemble into filaments by forming heterodimers of two different keratin strands - a type I keratin (keratins 9 to 23) and a type II keratin (keratins 1 to 8). Keratins are expressed in specific tissues, with determined differentiation patterns. They are characteristic of epithelial cells and trichocytes. Keratins 7 and 8 are two closely related type II keratins characteristic of simple epithelia. Keratin 7 is less widespread than keratin 8 and is expressed in sebaceous and sweat glands and some cells of the inner hair root sheath. Keratin 7 is often co-expressed with keratin 19. The LdS68 antibody is useful for studies of epithelial cells and tumour origin. This antibody reacts specifically with a variety of human simple epithelia (e.g. bile ducts, mammary gland, sweat glands, urinary bladder, endocervix, placenta), of the stomach, colon, pancreatic acini, hepatocytes and myoepithelial cells. It does not react with epidermis or non-epithelial tissues.

Molecular weight:

Ic50:

Applications

Application: IHC

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Southgate et al. 1987. Lab Invest. 56(2):211-23. PMID: 2433501. ; Primary culture of human oral epithelial cells. Growth requirements and expression of differentiated characteristics. ; Trejdosiewicz et al. 1986. Exp Cell Res. 164(2):388-98. PMID: 2423348. ; Phenotypic analysis of cultured melanoma cells. Expression of cytokeratin-type intermediate filaments by the M5 human melanoma cell line.

CancerTools.org