

Anti-Keratin [LDS103]

Catalogue number: 151741

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 [LDS103]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratin 17 and 18 are type I cytokeratins. Keratin 17 is found in nail beds, hair follicles, sebaceous glands, and other epidermal appendages. It has been shown to interact with CCDC85B. Keratin 18 is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Keratin 18 is often used together with keratin 8 and keratin 19 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood. Keratin 18 has been shown to interact with Collagen, type XVII, alpha 1, DNAJB6, Pinin and TRADD.

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:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Keratin expressed in basal cells, pan-epithelial

Target alternate names:

Target background: Keratins are a family of intermediate filament proteins that assemble into filaments through forming heterodimers of one type I keratin (keratins 9 to 23) and one type II keratin (keratins 1 to 8). Keratins demonstrate tissue and differentiation specific expression profiles. Keratin 17 and 18 are type I cytokeratins. Keratin 17 is found in nail beds, hair follicles, sebaceous glands, and other epidermal appendages. It has been shown to interact with CCDC85B. Keratin 18 is, together with its filament partner keratin 8, perhaps the most commonly found products of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Keratin 18 is often used together with keratin 8 and keratin 19 to differentiate cells of epithelial origin from hematopoietic cells in tests that enumerate circulating tumor cells in blood. Keratin 18 has been shown to interact with Collagen, type XVII, alpha 1, DNAJB6, Pinin and TRADD.

Molecular weight:

Ic50:

Applications

Application: IHC ; IF

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Matthews et al. 1985. Biochem Soc Trans. 13:122-3 ; Trejdosiwicz et al. 1985. J Urol. 133(3):533-8. PMID: 2579255. ; Monoclonal antibodies to human urothelial cell lines and hybrids: production and characterization.

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