

KRT7 monoclonal antibody, clone LDS-68

Catalog # MAB1442

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native KRT7.
Immunogen	Native purified human KRT7.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) Immunohistochemistry (Frozen sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

Gene Info — KRT7

Entrez GeneID	3855
Gene Name	KRT7
Gene Alias	CK7, K2C7, K7, MGC129731, MGC3625, SCL
Gene Description	keratin 7
Omim ID	148059
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq]
Other Designations	cytokeratin 7 keratin, 55K type II cytoskeletal keratin, simple epithelial type I, K7 keratin, type II cytoskeletal 7 sarcolectin type II mesothelial keratin K7

Publication Reference

- [Cloning of human, murine, and marsupial keratin 7 and a survey of K7 expression in the mouse.](#)

Smith FJ, Porter RM, Corden LD, Lunny DP, Lane EB, McLean WH.

Biochemical and Biophysical Research Communications 2002 Oct; 297(4):818.

Application: WB-Ti, Human, Mouse, Bladder, Skin

- [Three epidermal and one simple epithelial type II keratin genes map to human chromosome 12.](#)

Rosenberg M, Fuchs E, Le Beau MM, Eddy RL, Shows TB.

Cytogenetics and Cell Genetics 1991 Jan; 57(1):33.