

CK7 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4778
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CK7 expressed in E. Coli.
Mol wt	51kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	KRT7;cytokeratin 7

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CK7 (Keratin, type II cytoskeletal 7) is a protein that in humans is encoded by the KRT7 gene. CK7 is a member of the keratin family. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. 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.

Recommended Dilution

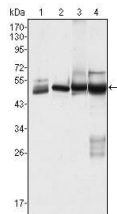
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

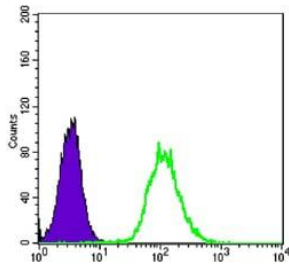
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using CK7 mouse mAb against HeLa (1), MCF-7 (2), A431 (3) and A549 (4) cell lysate.



Flow cytometric analysis of HeLa cells using anti-CK7 mAb (green) and negative control (purple).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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