CK7 Mouse Monoclonal Antibody

E10-30013

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.

Catalog Number: E10-30013

Amount: 100μg/100μl

Clone Number: 5D12

Species: Mouse IgG1

MW 51kDa

Aliases: KRT7; cytokeratin 7

Entrez Gene: 3855

Immunogen: Purified recombinant fragment of human CK7 expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, FC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, FC: 1/200-1/400,
ELISA: Propose dilution 1/10000.

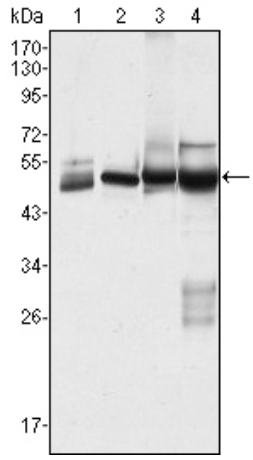

Figure 1: Western blot analysis using CK7 mouse mAb against Hela (1), MCF-7 (2), A431 (3) and A549 (4) cell lysate.

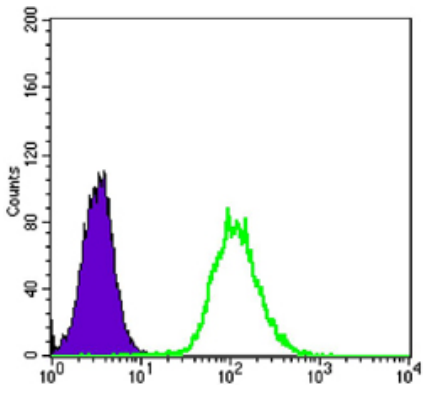

Figure 2: Flow cytometric analysis of Hela cells using anti-CK7 mAb (green) and negative control (purple).

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