Product Name: **CK7 Mouse Monoclonal Antibody**
Catalog #: **AMM80821**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	51kDa

Antigen Information

Gene Name	CK7
Alternative Names	KRT7; cytokeratin 7
Gene ID	3855.0
SwissProt ID	P08729
Immunogen	Purified recombinant fragment of human CK7 expressed in E. Coli.

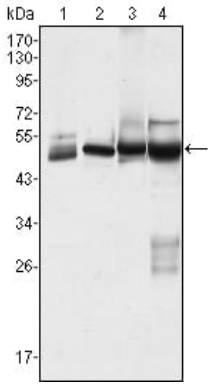
Background

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

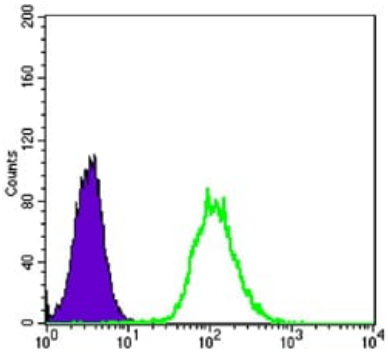
or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and 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.

Research Area

Image Data



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).