Product Name: **CK5 Mouse Monoclonal Antibody**
Catalog #: **AMM81215**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,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	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	62.3kDa

Antigen Information

Gene Name	CK5
Alternative Names	K5; KRT5; DDD; EBS2; KRT5A
Gene ID	3852.0
SwissProt ID	P13647
Immunogen	Purified recombinant fragment of human CK5 (AA: 316-590) expressed in E. Coli.

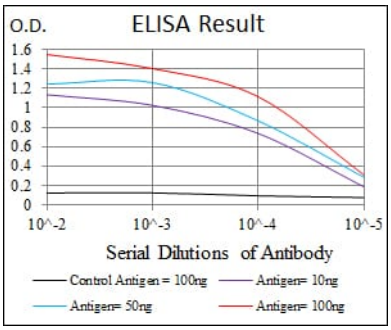
Background

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 basal layer of the epidermis with family member KRT14.

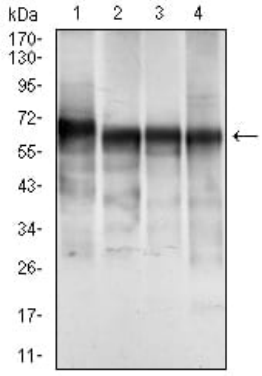
Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

Research Area

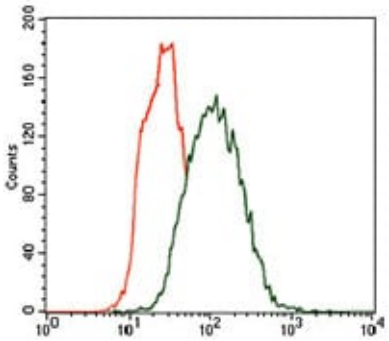
Image Data



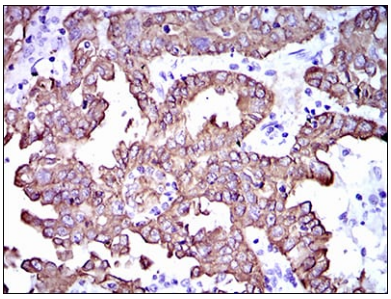
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



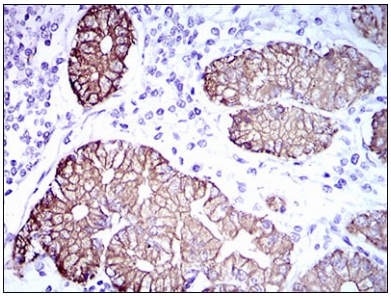
Western blot analysis using CK5 mouse mAb against A431 (1), MCF-7 (2), Hela (3) and HepG2 (4) cell lysate.



Flow cytometric analysis of Hela cells using CK5 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissues using CK5 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human stomach tissues using CK5 mouse mAb with DAB staining.