

MAB231Hu21

Monoclonal Antibody to Cytokeratin 18 (CK18)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)



[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG1 Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: E4

Traits: Liquid

Concentration: 1mg/mL

UOM: 100µL

Cross Reactivity: Rat

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant CK18 (Asp238~Leu396) expressed in E.coli

Accession No.: RPB231Hu01

[APPLICATIONS]

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-20µg/mL;

Immunofluorescence: 5-20µg/mL;

Flow cytometry: 10µg/ml;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300,

50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

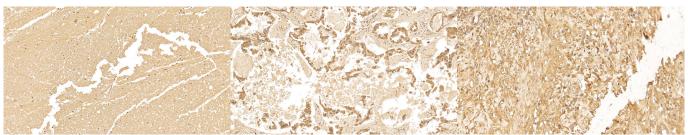
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Cloud-Clone Corp.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]



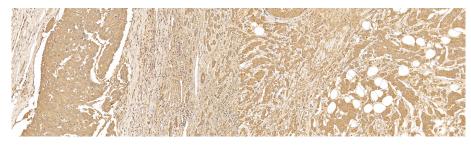
DAB staining on IHC-P; Sample:
Human Cerebrum Tissue; Primary Ab:
10µg/ml Mouse Anti-Human KRT18
Antibody Second Ab: 2µg/mL HRPLinked Caprine Anti-Mouse IgG
Polyclonal Antibody (Catalog:
SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Lung cancer Tissue;
Primary Ab: 10µg/ml Mouse AntiHuman KRT18 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

DAB staining on IHC-P;
Sample: Human Endometrial cancer
Tissue;
Primary Ab: 10µg/ml Mouse AntiHuman KRT18 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody

(Catalog: SAA544Mu19)

kDa 100-70-

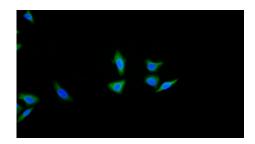


DAB staining on IHC-P;
Sample: Human Liver cancer Tissue;
Primary Ab: 10µg/ml Mouse AntiHuman KRT18 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

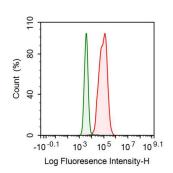
DAB staining on IHC-P;
Sample: Human Breast cancer Tissue;
Primary Ab: 10µg/ml Mouse AntiHuman KRT18 Antibody
Second Ab: 2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

Western Blot; Sample: Rat Liver lysate
Primary Ab: 3µg/ml Mouse Anti-Human
KRT18 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu19)

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FITC staining on IF;
Samples: Human HepG2 cell;
Primary Ab: 20µg/ml Mouse AntiHuman KRT18 Antibody
Second Ab: 1.5µg/ml FITC-Linked
Caprine Anti-Mouse IgG Polyclonal
Antibody
(Catalog: SAA544Mu18)



Human MCF7 cell line was fixed with 2% paraformaldehyde (10 min), permeabilised with 0.1% BSA-Triton X-100,then stained with 10µg/ml mouse Anti-human CK18 Monoclonal Antibody (Catalog MAB231Hu21, red histogram) or Isotype control antibody (Catalog IS067-Mu03, green histogram), followed by 1µg/ml FITC-conjugated Anti-mouse IgG Secondary Antibody (Catalog SAA544Mu18).

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.