

Cytokeratin 19 (KRT19) Rabbit mAb

Catalog No.: A25546 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

44kDa

Category

Primary antibody

Applications

IF/ICC,FC (intra),ELISA

Cross-Reactivity

Human

CloneNo number

ARC54260

Background

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

Recommended Dilutions

IF/ICC 1:200 - 1:800

FC (intra) 1:1000 - 1:5000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

3880

Swiss Prot

P08727

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 301-400 of human Cytokeratin 19 (KRT19) (NP_002267.2).

Synonyms

K19; CK19; K1CS

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

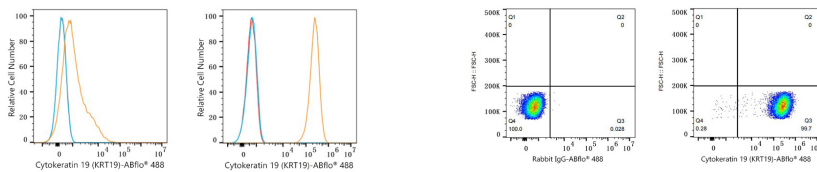
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Flow cytometry: 1×10^6 Jurkat cells (negative control, left) and MCF7 cells (right) were intracellularly-stained with Cytokeratin 19 (KRT19) Rabbit mAb (A25546, 2 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 2 µg/mL, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 MCF7 cells were intracellularly-stained with Rabbit IgG isotype control (AC042, 2 µg/mL, left) or Cytokeratin 19 (KRT19) Rabbit mAb (A25546, 2 µg/mL, right), followed by FITC conjugated goat anti-Rabbit pAb staining.