

## Cytokeratin 19 Rabbit pAb

Catalog Number: bs-15590R

Target Protein: Cytokeratin 19

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1µg/Test)

Reactivity: Human

Predicted MW: 30 kDa

Entrez Gene: 3880

Swiss Prot: P08727

Source: KLH conjugated synthetic peptide derived from human CK19: 301-400/400.

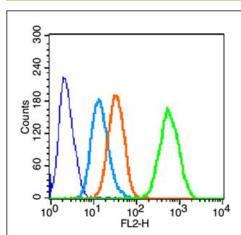
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

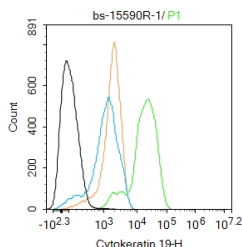
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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.

### VALIDATION IMAGES



Blank control (blue line): Hela (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C). Primary Antibody (green line): Rabbit Anti-CK19 antibody (bs-15590R), Dilution: 0.2µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.



Blank control:MCF-7. Primary Antibody (green line): Rabbit Anti-Cytokeratin 19 antibody (bs-15590R)  
 Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=4.6] Dou Zhimin. et al. CBX7 silencing promoted liver regeneration by interacting with BMI1 and activating the Nrf2/ARE signaling pathway. SCI REP-UK. 2024 May;14(1):1-12 IHC ; Mouse . 38744845

[IF=1.769] Zhang et al. Identification of cellular proteome using two-dimensional difference gel electrophoresis in ST cells infected with transmissible gastroenteritis coronavirus. (2013) Proteome.Sci. 11:31 WB ; Human . 23855489