

bs-1244R**[Primary Antibody]****Cytokeratin 1 Rabbit pAb****Bioss**
ANTIBODIES

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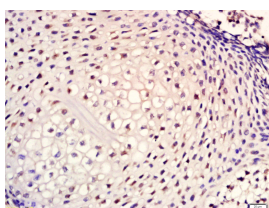
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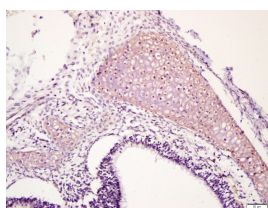
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3848**SWISS:** P04264**Target:** Cytokeratin 1**Immunogen:** KLH conjugated synthetic peptide derived from human Cytokeratin 1: 301-400/644.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

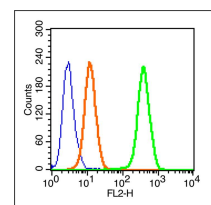
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a member of the keratin 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 spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq].**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rabbit
(predicted: Rat, Cow, Dog, Horse)**Predicted MW.:** 70 kDa**Subcellular Location:** Cell membrane ,Cytoplasm**— VALIDATION IMAGES —**

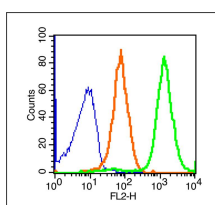
Tissue/cell: mouse embryos tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Cytokeratin 1 Polyclonal Antibody, Unconjugated(bs-1244R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Cytokeratin 1 Polyclonal Antibody, Unconjugated(bs-1244R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): Hela cells(blue).
Primary Antibody (green line): Rabbit Anti-Cytokeratin 1/FITC Conjugated antibody (bs-1244R-PE) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG-PE. Protocol The cells were fixed with 70% ice-cold methanol overnight at 4°C. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.Acquisition of 20,000 events was performed.



Blank control (blue line): Rabbit spleen cells

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

(blue). Primary Antibody (green line): Rabbit Anti-Cytokeratin 1/PE Conjugated antibody (bs-1244R-PE) Dilution: 0.2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG-PE . Protocol The cells were fixed with 70% ice-cold methanol overnight at 4°C . The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature.Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=12.02]** Wakiyama H. et al. Treg-Dominant Tumor Microenvironment Is Responsible for Hyperprogressive Disease after PD-1 Blockade Therapy.. CANCER IMMUNOL RES. 2022 Nov;10(11):1386-1397 IHC ;Mouse. 36169564
- **[IF=3.118]** Qianqian Wu. et al. Protection of melatonin against long - term radon exposure - caused lung injury. Environ Toxicol. 2021 Apr;36(4):472-483 Other ;. 33107683
- **[IF=2.923]** Junyuan Ma. et al. Effects of melatonin on development and hormone secretion of sheep theca cells in vitro. THERIOGENOLOGY. 2023 Mar;198:172 IF ;Sheep. 36592515
- **[IF=2.5]** Xue-qin Zhang. et al. The clinical significance and biological function of tropomyosin 3 in ulcerative colitis. TISSUE CELL. 2025 Jan;;102770 WB ;Human,Mouse. 39938429