

bs-7128R**[Primary Antibody]****BioSS**
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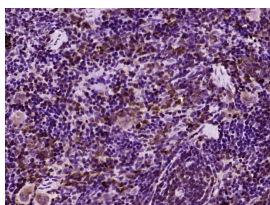
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Perforin Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 5551 Target: Perforin Immunogen: KLH conjugated synthetic peptide derived from human Perforin: 22-100/555. 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 has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008].	Isotype: IgG SWISS: P14222	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Rat (predicted: Human, Mouse, Horse) Predicted MW.: 59 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat spleen tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Perforin) Polyclonal Antibody, Unconjugated (bs-7128R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=10]** Dongyan Shao. et al. Construction and Mechanism of IL-15-based Co-Activated Polymeric Micelles for NK Cell Immunotherapy. ADV HEALTHC MATER. 2023 Oct.;2302589 WB ;Human. 37897328
- **[IF=7.4]** Huang Xinkun. et al. CHSY3 promotes proliferation and migration in gastric cancer and is associated with immune infiltration. J TRANSL MED. 2023 Dec;21(1):1-20 IHC ;Human. 37461041
- **[IF=5.3]** Qin Zhu. et al. Adipose stem cell exosomes, stimulated by pro-inflammatory factors, enhance immune evasion

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

in triple-negative breast cancer by modulating the HDAC6/STAT3/PD-L1 pathway through the transporter UCHL1. CANCER CELL INT. 2024 Nov;24:385 IF ;Mouse. 39568023

- **[IF=5.2]** Wang Ying. et al. HKDC1 promotes ovarian cancer progression through boosting lipid metabolism and immune escape by stabilizing G6PC/G6PC2. COMMUN BIOL. 2025 Apr;8(1):1-17 IF ;Mouse. 40234623
- **[IF=0.181]** Mu JY et al. Astragalus polysaccharide restores activation of NK cells in radiation therapy of tumors. Int J Clin Exp Med 2019;12(7):8609-8621. WB ;Mouse. ISSN:1940-5901/IJCEM0095627