

**bs-10699R****[ Primary Antibody ]****BioSS**  
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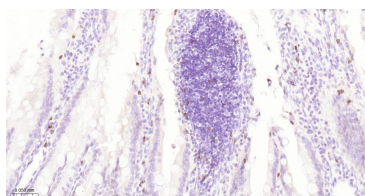
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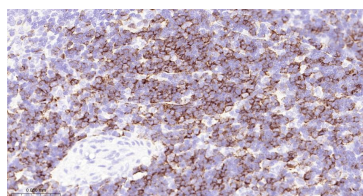
400-901-9800

**CD8 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-1000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 925	<b>SWISS:</b> P01732	<b>IHC-F</b> (1:100-500)
<b>Target:</b> CD8		<b>IF</b> (1:100-500)
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Rat
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		<b>Predicted MW.:</b> 27 kDa
<b>Background:</b> The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020]		<b>Subcellular Location:</b> Cell membrane

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded Rat Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD8 Polyclonal Antibody, Unconjugated (bs-10699R) at 1:500 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD8 Polyclonal Antibody, Unconjugated (bs-10699R) at 1:500 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

**— SELECTED CITATIONS —**

- **[IF=15.1]** Lei Wang. et al. STING Agonist-Loaded Nanoparticles Promotes Positive Regulation of Type I Interferon-Dependent Radioimmunotherapy in Rectal Cancer. ADV SCI. 2023 Dec;;2307858 IF ;Mouse. 38063844
- **[IF=5.9]** Zhen Lv. et al. Network pharmacology and UHPLC-HRMS reveal the mechanism of QSFZYL and BMSCs overexpressing IFN- $\gamma$  against lung adenocarcinoma. FRONT IMMUNOL. 2025 Jun;16: IF ;Mouse. 40642092
- **[IF=4]** Wangyou Feng. et al. CDK4/6i enhances the antitumor effect of PD1 antibody by promoting TLS formation in ovarian cancer. HELIYON. 2023 Sep;9:e19760 IHC ;Mouse. 37809574
- **[IF=3]** Xi Xiao. et al. Synergistic effects of  $\Omega$ -3 polyunsaturated fatty acid supplementation and programmed cell death

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

protein 1 blockade on tumor growth and immune modulation in a xenograft model of esophageal cancer. CLIN NUTR ESPEN. 2024 Apr;; IHC ;Mouse. 38777449

- **[IF=3.454]** Chong Zhang. et al. Histological tumor response to neoadjuvant chemotherapy correlates to Immunoscore in colorectal cancer liver metastases patients. 2021 Aug 18 IHC ;Human. 34406653